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# SOIL / VEGETATIVE INVENTORY IN THE BIG FLAT—SQUAW PARK SURVEY, UTAH CONTRACT NUMBER YA—512—CT9—150

## VOLUME II—VEGETATIVE INVENTORY

PREPARED FOR:

USDI BUREAU OF LAND MANAGEMENT

PREPARED BY:

TEXAS RESOURCES CONSULTANTS
BELTON, TEXAS

MAY, 1981

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# SOIL/VEGETATIVE INVENTORY IN THE BIG FLAT/SQUAW PARK SURVEY, UTAH

CONTRACT NUMBER YA-512-CT9-150

VOLUME II - VEGETATIVE INVENTORY

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# Introduction

This report involves an inventory of the soils and present and potential vegetation of the Big Flat-Squaw Park survey area in Grand County, Utah. The survey area consists of approximately 536,000 total acres; 490,000 of federal lands administered by the Bureau of Land Management and 46,000 are state and private lands. This report is prepared by Texas Resources Consultants at the request of the Bureau of Land Management.

The survey area is bounded on the north by Interstate 70, on the east by the Colorado River to Cisco Wash, on the south by San Juan County and on the west by the Green River. Dead Horse Point and Arches National Parks were excluded from the survey. The area approximately 8 miles east and south of the town of Green River is also outside the survey area.

The survey area includes elevations from 3900 feet along the Green River to 6,100 feet at the Knoll. Precipitation ranges from 5 to 12 inches, increasing from north to south. Most precipitation occurs during the late fall, winter and early spring months. The frost-free period averages 150 to 180 days. The climate of the area is characterized by moderate winters and very hot summers.

The vegetation of the area is composed of desert and semi-desert species. Mixed shrubs and grass-shrub types dominate most of the survey area. Pinyon pine and Utah juniper occur in areas of higher elevation and precipitation.

Common grasses are Indian ricegrass, galleta, bottlebrush squirreltail, and cheatgrasses. Common forbs are globe mallows, desert Indianwheat, asters, locoweeds, pepperweeds, eveningprimrose, seepweed, eriogonums, cryptanthas, and skeletonweeds. Bud sagebrush, shadscale, wedgeleaf nuttall saltbush, rabbitbrush, mormontea, horsebrush, blackbrush, greasewood, mat saltbush, eriogonum, Pinyon pine and Utah juniper are common shrubs and trees.

## Vegetative Inventory Procedures

Close coordination between soil scientists and range conservationists was maintained while mapping the soils and vegetation. Vegetative ecosystem lines were placed on the vegetative photo corresponding with the mapping unit line on soils photos. Where the soils mapping unit contains one or more different soils, the vegetative mapping unit may also contain a complex of one or more range or range-woodland ecosystems. When these lines were determined and placed on the photos, the range conservationist then examined the area and completed an ecological site field form for each range site to determine ecological condition. If more than one ecological condition class or vegetative type was found within a site, they were separated by a dotted line on the maps. The smallest delineation is called a site writeup area and was assigned an alpha-numeric designation.

Ecological site field forms were summarized by soil series within a mapping unit for comparison in development of ecosystem descriptions. Species composition, proportions of species, total productivity along with basic soils information were evaluated in the grouping of ecosystems. Ecosystem descriptions from adjacent resource areas were utilized as a basis for mapping and modified to fit the Big Flat-Squaw Park survey area. The ecological sites encountered in this survey are listed on the following page. The alkali bottoms, semidesert shallow loam (ELSA), upland loam, and semidesert shallow sandy loam (CORA) will be written by BLM personnel.

## Vegetative Inventory Procedures

## Range and Range-Woodland Ecosystems of the Big Flat-Squaw Park Survey Area

| Ecosystem Code No. | Ecosystem Name |
|---|---|
| 1. | Alkali Fan |
| 2. | Alkali Flat |
| 3. | Desert Loam |
| 4. | Desert Shallow Loam (ATCO) |
| 5. | Desert Sand |
| 6. | Desert Sandy Loam |
| 7. | Desert Shallow Clay |
| 8. | Desert Clay |
| 9. | Alkali Bottoms |
| 10. | Desert Shallow Sandy Loam |
| 11. | Semidesert Shallow Loam (ELSA) |
| 12. | Talus Slope |
| 13. | Salty Stream Bottom |
| 14. | Upland Loam |
| 15. | Semidesert Sand |
| 16. | Semidesert Shallow Sandy Loam (J-P) |
| 17. | Semidesert Sandy Loam |
| 18. | Semidesert Shallow Sandy Loam (CORA) |

Ranch and Range-Woodland Ecosystems

of the Flat-Top Fore Survey Area

| Ecosystem Code No. | Ecosystem Name |
|---|---|
| 1. | Alkali Pan |
| 2. | Alkali Flat |
| 3. | Desert Loam |
| 4. | Desert Shallow Loam (Rock) |
| 5. | Desert Sand |
| 6. | Desert Sandy Loam |
| 7. | Desert Shallow Clay |
| 8. | Desert Clay |
| 9. | Alkali Bottoms |
| 10. | Desert Shallow Sandy Loam |
| 11. | Semidesert Shallow Loam (Rock) |
| 12. | Talus Slope |
| 13. | Salty Stream Bottom |
| 14. | Upland Loam |
| 15. | Semidesert Sand |
| 16. | Semidesert Shallow Sandy Loam (Arr) |
| 17. | Semidesert Sandy Loam |
| 18. | Semidesert Shallow Sandy Loam (Gras) |

TENTATIVE

ECOSYSTEM DESCRIPTION
1. ALKALI FAN
VEGETATION TYPE: ATC04/HIJA
May, 1981

Land Resource Area
D34

Approved: _____ _____
(SCS) (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

Alkali Fan range site occurs on alluvial fans and floodplains. Slopes range from 0 to 6 percent but are mostly 0 to 3 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

This range site is adjacent to and intermingled with Alkali Flat range site. At the scale of mapping, relationships of these two sites to their position on the landscape or to soil characteristics was not evident. However, generally the Alkali Fan range site occurred on alluvial fans and floodplains where the alluvium was influenced by sandstone sediments.

### 2. Climatic Features

a. The climate is arid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent of the rain falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The climax vegetation is approximately 45-55 percent grasses, 10-15 percent forbs, and 30-40 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 45-55 |
| HIJA | Galleta | 15-20 |
| ORHY | Indian ricegrass | 10-15 |
| SPCR | Sand dropseed | 1-5 |
| ARLO3 | Red threeawn | 1-3 |
| SIHY | Bottlebrush squirreltail | 1-2 |
| AAGG | Other annual grasses | 5-10* |
| BRTE | Cheatgrass | |
| FEOC2 | Sixweeks fescue | |
| HOPU | Little barley | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| SPHAE | Globemallow | 1-5 |
| AAFF | Other annual forbs | 3-10* |
| ASTER | Aster | |
| CHENO | Goosefoot | |
| CLSE | Rockymountain beeplant | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 3 percent of each species in this group for a maximum of 10 percent.

| | | |
|---|---|---|
| Shrubs | | 30-40 |
| ATNUC | Wedgeleaf nuttall saltbush | 15-20 |
| ARSP5 | Bud sagebrush | 1-5 |
| ATCO4 | Mat saltbush | 1-5 |
| EULA5 | Winterfat | 1-5 |
| SSSS | Other shrubs | 1-5* |
| GUSA2 | Broom snakeweed | |
| LEFR2 | Desert pepperweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 15 to 20 percent.

e. Species which may invade in this plant community

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 45-55 |
| NIJA | Galleta | 15-20 |
| ORHY | Indian ricegrass | 10-15 |
| SPCR | Sand dropseed | 4-5 |
| ARLO3 | Red threeawn | 1-3 |
| SIHY | Bottlebrush squirreltail | 1-2 |
| AACO | Other annual grasses | 5-10* |
| BRTE | Cheatgrass | |
| FEOC2 | Sixweeks fescue | |
| HOPU | Little barley | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| SPHAB | Globemallow | 1-5 |
| AAPF | Other annual forbs | 5-10* |
| ASTER | Aster | |
| CHENO | Goosefoot | |
| GLSE | Rockymountain beeplant | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 5 percent of each species in this group for a maximum of 10 percent.

| | | |
|---|---|---|
| Shrubs | | 30-40 |
| ATCO | Wedgeleaf nuttall saltbush | 15-20 |
| ARSP5 | Bud sagebrush | 1-5 |
| ATCO4 | Nat saltbush | 1-5 |
| EULA5 | Winterfat | 1-5 |
| SSSS | Other shrubs | 1-5* |
| GUSA2 | Broom snakeweed | |
| LEFR2 | Desert pepperweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 15 to 20 percent.

e. Species which may invade in this plant community

are sixweeks fescue, cheatgrass, Russian thistle, and halogeton.

f. Vegetation, soils, or other features which are particular to <u>other</u> survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 600 | 500 |
| Average years | 350 | 300 |
| Unfavorable years | 250 | 200 |

5. Soils

a. Soils are deep, well to somewhat excessively drained, moderately to strongly saline and mostly sandy, sandy loam, fine sandy loam and loam textured. They are mostly on well drained alluvial fans and floodplains where the alluvium was strongly influenced by sandstone.

b.

| Soils | Mapping Units |
|---|---|
| Typic Torrifluvent, dry, 0 to 3 percent slopes | 7,8,9,10,23 |

B. GRAZING VALUES

The low production definitely limits the number of animals grazing the area. In climax this ecosystem has a relatively high grazing value with stable production. In current conditions there will be quite a variable annual production. Daily weight gains of domestic livestock will vary more than normal for this area because of high percentage of annual vegetation.

TENTATIVE

ECOSYSTEM DESCRIPTION
2. ALKALI FLAT
VEGETATION TYPE: SAVE4/HIJA
May, 1981

Land Resource Area
D34

Approved: _____ _____
(SCS) (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

Alkali Flat range site occurs on alluvial floodplains and fans. Slopes range from 0 to 3 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

This range site is adjacent to and intermingled with Alkali Fan range site. At the scale of mapping, relationships of these two sites to the position on the landscape or to soil chatacteristics was not evident. However, generally the Alkali Flat range site occurred on moderately well drained alluvial floodplains and fans where the alluvium is strongly influenced by shale.

### 2. Climatic Features

a. The climate is arid to semiarid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. This is a desert shrub-grass site interspersed with shrubby woody plants with approximately 5 percent canopy. The dominant woody plant is black greasewood with varying percentages of

fourwing and wedgeleaf nuttall saltbushes. Galleta, Indian ricegrass and annual grasses dominate the herbaceous plant community. Red threeawn, sand dropseed, bottlebrush squirreltail, and alkali sacaton are endemic to the site but occur less frequently or in smaller amounts. Most of the forbs are annual and varible. The climax vegetation is approximately 60-70 percent grasses, 10-15 percent forbs, and 30-40 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 60-70 |
| SPAI | Alkali sacaton | 10-15 |
| HIJA | Galleta | 5-10 |
| SIHY | Bottlebrush squirreltail | 5-10 |
| ORHY | Indian ricegrass | 3-5 |
| ARLO3 | Red threeawn | 1-5 |
| DIST | Inland saltgrass | 1-2 |
| SPCR | Sand dropseed | 1-2 |
| AAGG | Other annual grasses | 5-10 |
| Forbs | | 10-15 |
| ASTER | Aster | 1-3 |
| ASTRA | Locoweed | 1-2 |
| GILIA | Gilia | 1-2 |
| LEFR2 | Desert pepperweed | 1-2 |
| AAFF | Other annual forbs | 5-7* |
| ATAR2 | Silverscale saltweed | |
| CHENO | Goosefoot | |
| HEAN3 | Common sunflower | |
| LOMAT | Lomatium | |
| OEPA2 | Pale eveningprimrose | |
| PHACE | Phacelia | |
| PLPA2 | Desert Indianweed | |
| SUAED | Seepweed | |

*Allow no more than 2 percent of each species in this group for a maximum of 7 percent.

| | | |
|---|---|---|
| Shrubs | | 30-40 |
| SAVE4 | Black greasewood | 10-15 |
| ATCO | Shadscale | 5-10 |
| ATCA2 | Fourwing saltbush | 1-3 |
| SSSS | Other shrubs | 6-10* |
| ARSP5 | Bud sagebrush | |
| ARTR2 | Big sagebrush | |
| ATNUC | Wedgeleaf nuttall saltbush | |
| CHNA2 | Rubber rabbitbush | |

| | |
|---|---|
| GRSP | Spiny hopsage |
| GUSA2 | Broom snakeweed |
| KOAMV | Green molly |
| OPPO | Plains pricklypear |
| TESP2 | Spiny horsebrush |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 15 to 20 percent.

e. Species which may invade are cheatgrass, Russian thistle, halogeton, and salt cedar.

Plants which may increase significantly are mat saltbrush, big sagebrush, and seepweed.

f. Vegetation, soils, or other features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 1,000 | 900 |
| Average years | 700 | 600 |
| Unfavorable years | 450 | 400 |

5. Soils

a. Soils are deep, well to moderately well drained, moderately to strongly saline and mostly loam, silt loam and silty clay loam in texture. They occur mostly on floodplains and fans where the alluvium is strongly influenced by shale.

b.

| Soils | Mapping Units |
|---|---|
| Typic Torrifluvents, 0 to 3 percent slopes | 2,6,7,8,9,13,21,23, 24,26, and 28 |
| Ustic Torrifluvents, 0 to 3 percent slopes | 16 |

B. GRAZING VALUES

In climax this ecosystem has a relatively high grazing value with stable production. In current conditions there will be quite a variable annual production. Daily weight gains of domestic livestock will vary more than normal for this area because of high percentage of annual vegetation.

TENTATIVE

ECOSYSTEM DESCRIPTION
3. DESERT LOAM
VEGETATION TYPE: ATCO/HIJA
May, 1981

Approved: _____ _____
(SCS) (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs on alluvial fans, terraces, and valley floors. It occurs on all aspects. Slopes range from 2 to 6 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate is arid to semiarid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. This is a desert shrub-grass dominant plant community with some variability in woody plant canopy of 5 to 10 percent. The dominant woody plant on most areas is shadscale with winterfat being the dominant on others. Galleta, Indian ricegrass and annual grasses with minute amounts of such key forbs as globemallow and desert Indianwheat dominate the herbaceous plant community. The climax vegetation is approximately 45-50 percent grass, 10 to 15 percent forbs, and 40 to 50 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | |
| ORHY | Indian ricegrass | 10-20 |
| HIJA | Galleta | 10-15 |
| SIHY | Bottlebrush squirreltail | 1-5 |
| SPCR | Sand dropseed | 1-5 |
| ARLO3 | Red threeawn | 1-3 |
| AAGG | Other annual grasses | 1-5 |
| BRTE | Cheatgrass | |
| FEOC | Sixweeks fescue | |
| Forbs | | 10-15 |
| SPHAE | Globemallow | 2-5 |
| ASTER | Aster | 1-2 |
| ASTRA | Locoweed | 1-2 |
| PPFF | Other perennial forbs | 3-5* |
| ASWA | Wasatch aster | |
| ERIGE2 | Daisy | |
| ERIN2 | Desert trumpet eriogonum | |
| GAILL | Gaillardia | |
| HYMEN7 | Hymenoxys | |
| AAFF | Other annual forbs | |
| AMAR2 | Common ragweed | |
| ERIOG | Eriogonum | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 40-50 |
| ATCO | Shadscale | 15-20 |
| ARSP5 | Bud sagebrush | 5-10 |
| EULA5 | Winterfat | 5-10 |
| SSSS | Other shrubs | 5-10* |
| ATCA2 | Fourwing saltbush | |
| CHGR6 | Green rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| EPTO | Torrey ephedra | |
| ERIOG | Eriogonum | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 20 to 25 percent.

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| **Grasses and Grass-like Plants** | | |
| ORHY | Indian ricegrass | 10-20 |
| HIJA | Galleta | 10-15 |
| BIHY | Bottlebrush squirreltail | 1-5 |
| SPCR | Sand dropseed | 1-5 |
| ARLO3 | Red threeawn | 1-3 |
| AAGG | Other annual grasses | 1-5 |
| BRTE | Chaetgrass | |
| FEOC | Sixweeks fescue | |
| **Forbs** | | 10-15 |
| SPHAS | Globemallow | 2-5 |
| ASTER | Aster | 1-2 |
| ASTRA | Locoweed | 1-2 |
| PPFF | Other perennial forbs | 3-5* |
| ASWA | Wasatch aster | |
| ERIOE2 | Daisy | |
| ERIN2 | Desert trumpet eriogonum | |
| GAILL | Gaillardia | |
| HYMENY | Hymenoxys | |
| AAFF | Other annual forbs | |
| AMAR2 | Common ragweed | |
| ERIOG | Eriogonum | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| **Shrubs** | | 40-50 |
| ATCO | Shadscale | 15-20 |
| ARSP5 | Bud sagebrush | 5-10 |
| BULA5 | Winterfat | 5-10 |
| SSSS | Other shrubs | 5-10* |
| ATCA2 | Fourwing saltbush | |
| CHGR6 | Green rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| EPTO | Torrey ephedra | |
| ERIOG | Eriogonum | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 20 to 25 percent.

e. Vegetation, soils, or <u>other</u> features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 800 | 700 |
| Average years | 650 | 550 |
| Unfavorable years | 350 | 300 |

5. Soils

a. The soils of this ecosystem are moderately deep to very deep and well drained with moderate permeability. They are formed in mixed alluvium derived primarily from sandstone and shale. The surface horizons are loam, fine sandy loam or very gravelly fine sandy loam approximately 1 to 5 inches thick. Available water capacity is 3 to 12 inches. Water supply capacity is 2.5 to 5 inches. Surface runoff is slow to medium and erosion is slight to moderate.

b.

| Soils | Mapping Units |
|---|---|
| Mesa, fine sandy loam, 2 to 6 percent slopes | 1,2,10,15,16 |

B. GRAZING VALUES

This plant community may be grazed by either domestic sheep or cattle. The palatability of forage plants is good. The optimum period for grazing is during dormant months and early spring.

TENTATIVE

ECOSYSTEM DESCRIPTION
4. DESERT SHALLOW LOAM (ATCO)
VEGETATION TYPE: ATCO/HIJA
May, 1981

Land Resource Area
D34

Approved: _____ _____
(SCS) (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs on nearly level to moderately steep slopes near shale outcrops. Slopes range from 3-15 percent. Elevations are from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate is arid to semiarid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. Vegetation is approximately 35-45 percent grass, 15-20 percent forbs, and 35-45 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 35-45 |
| HIJA | Galleta | 15-20 |
| ORHY | Indian ricegrass | 5-15 |
| SPORO | Dropseed | 3-5 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| SIHY | Bottlebrush squirreltail | 1-3 |
| AAGG | Other annual grasses | 1-2 |
| BRTE | Cheatgrass | |
| FEOC2 | Sixweeks fescue | |
| Forbs | | 10-15 |
| SPHAE | Globemallow | 1-5 |
| PPFF | Other perennial forbs | 1-5* |
| ASTRA | Locoweed | |
| CRFL5 | Yellow cryptantha | |
| ERIN4 | Desert trumpet eriogonum | |
| WYSC | Badlands wyethia | |
| AAFF | Other annual forbs | 1-5* |
| HEAN3 | Common sunflower | |
| LEPID | Pepperweed | |
| OEPA3 | Pale eveningprimrose | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 40-50 |
| ATCO | Shadscale | 25-35 |
| ARSP5 | Bud sagebrush | 5-10 |
| EPNE | Nevada mormontea -- | 3-5 |
| EPTO | Torrey mormontea -- | |
| ATNUC | Wedgeleaf nuttall saltbush | 2-5 |
| EULA5 | Winterfat | 1-5 |
| CHV18 | Douglas rabbitbrush | 1-2 |
| SSSS | Other shrubs | 1-5* |
| DAPO2 | Nevada indigobush | |
| ERIOG | Eriogonum | |
| GUSA2 | Broom snakeweed | |
| KOAMV | Gray molly | |
| OPPO | Plains pricklypear | |
| TENU2 | Nuttall's horsebrush | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur on this ecosystem.

d. Vegetative ground cover is 10 to 15 percent.

e. Species not a part of the climax that are most likely to invade are cheatgrass, Russian thistle, and a few other annual forbs. Shadscale and Douglas rabbitbrush increase with excessive grazing use.

f. Vegetation, soils, or <u>other</u> features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 600 | 500 |
| Average years | 335 | 300 |
| Unfavorable years | 225 | 200 |

5. Soils

a. Soils which characterize this site are shallow and very shallow in depth, medium, moderately fine and fine textured and underlain by shale. These soils are moderately erodible, especially from torrential summer rains. Moisture holding capacity is 2.5 to 3.5 inches and water supplying capacity is 1.5 to 3.0 inches.

b.

| Soils | Mapping Units |
|---|---|
| Shalet loam, 3 to 10 percent slopes | 24,25,26 |

B. GRAZING VALUES

Approximately 85 to 90 percent of the plants supply some forage for livestock. Plant species are extremely limited in yield. Enough variety exists to provide excellent nutrition for sheep and cattle. The site is grazed to best advantage during the winter.

TENTATIVE

ECOSYSTEM DESCRIPTION
5. DESERT SAND
VEGETATION TYPE: ORHY/ATCA2
May, 1981

Land Resource Area
D34

Approved: _____ _____
(SCS) (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem is found on flood plains, valley bottoms, mesas, and benches. Slopes range from 2 to 10 percent, but are mostly 0 to 2 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate of this ecosystem is characterized by moderate winters and very hot summers. Precipitation averages 10 to 20 centimeters (5 to 8 inches) annually. Distribution is 50 to 55 percent during the plant growth period, March to October. Some years are so dry that little plant growth occurs and some plants may remain dormant. Precipitation is extremely variable from month to month and year to year. On the average, the driest months are June, January and February, and the wettest are October, August, and April.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The vegetation is approximately 60-65 percent grasses, 10-15 percent forbs, and 25-35 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 60-65 |
| ORHY | Indian ricegrass | 35-40 |
| HIJA | Galleta | 5-10 |
| SPCO4 | Spike dropseed -- | 5-10 |
| SPCR | Sand dropseed -- | |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| STCO4 | Needleandthread | 5-10 |
| PPGG | Other perennial grasses | 1-5* |
| ARLO3 | Red threeawn | |
| BOGR | Blue grama | |
| MUPU2 | Sandhill muhly | |

*Allow no more than 2 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| SPHAE | Globemallow | 2-5 |
| PPFF | Other perennial forbs | 1-5* |
| ABFR2 | Snowball verbena | |
| ASTER | Aster | |
| ASTRA | Locoweed | |
| CRFL5 | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| LUPIN | Lupine | |
| LYGOD | Skeletonweed | |
| LYJU | Rush skeletonweed | |
| MENTE | Blazingstar | |
| AAFF | Other annual forbs | 1-5* |
| AMAR2 | Common ragweed | |
| CRTE4 | Texas croton | |
| HEAN3 | Common sunflower | |
| LEPID | Pepperweed | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 25-30 |
| ATCA2 | Fourwing saltbush | 10-20 |
| EPNE | Nevada mormontea -- | 5-10 |
| EPTO | Torrey mormontea -- | |
| EULA5 | Winterfat | 2-5 |
| ARFI2 | Sand sagebrush | 1-2 |
| ARFR4 | Fringed sagebrush | 1-2 |
| SSSS | Other shrubs | 5-10* |
| CHNA2 | Rubber rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| ERCO14 | Corymbed eriogonum | |
| GRSP | Spiny hopsage | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |
| QUUN | Wavyleaf oak | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

c. Tree species do not occur on this ecosystem.

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| ETCO4 | Needleandthread | 5-10 |
| PPGG | Other perennial grasses | 1-5* |
| ARLO3 | Red threeawn | |
| BOGR | Blue grama | |
| MUPU2 | Sandhill muhly | |

*Allow no more than 2 percent of each species in this group for a maximum of 5 percent.

| Forbs | | 10-15 |
|---|---|---|
| SPHAE | Globemallow | 2-5 |
| PPFP | Other perennial forbs | 1-5* |
| ARFR2 | Snowball verbena | |
| ASTER | Aster | |
| ASTRA | Locoweed | |
| CRPL5 | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| LUPIN | Lupine | |
| LYOUD | Skeletonweed | |
| LYJU | Rush skeletonweed | |
| MENTE | Blazingstar | |
| AAFF | Other annual forbs | 1-5* |
| AMAR2 | Common ragweed | |
| CRTE4 | Texas croton | |
| HEAR3 | Common sunflower | |
| LYPID | Pepperweed | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| Shrubs | | 25-30 |
|---|---|---|
| ATCA2 | Fourwing saltbush | 10-20 |
| EPNE | Nevada mormontea | 5-10 |
| EPTO | Torrey mormontea | |
| EULA5 | Winterfat | 2-5 |
| ARFI2 | Sand sagebrush | 1-2 |
| ARFR4 | Fringed sagebrush | 1-2 |
| SSSS | Other shrubs | 5-10* |
| CHNA2 | Rubber rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| ERCO14 | Corymbed eriogonum | |
| GRSP | Spiny hopsage | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |
| QUUN | Wavyleaf oak | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

c. Tree species do not occur on this ecosystem.

d. The vegetative ground cover is from 17 to 21 percent.

e. Species that invade the site are Russian thistle, ragweed, and annual grasses. Species that increase with plant community deterioration are sand and big sagebrush and rabbitbrush.

f. Vegetation, soils, or other features which are particular to <u>other</u> survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air-Dry) | Pounds/Acre (Air-Dry) |
|---|---|---|
| Favorable years | 925 | 800 |
| Average years | 600 | 500 |
| Unfavorable years | 300 | 300 |

5. Soils

a. The soils in this ecosystem are sand to fine sandy loam, deep and somewhat excessively drained. They are mildly to very strongly alkaline. Permeability is moderately rapid to rapid. Erosion on these soils is slight.

b.

| Soils | Mapping Units |
|---|---|
| Sheppard fine sand, 2 to 10 percent slopes, hummocky | 12,18,21,26,27,28, 30,31,117 |
| Typic Torriorthents, 2 to 10 percent slopes | |

B. GRAZING VALUES

This ecosystem makes effective use of small amounts of precipitation. Therefore, plants have a longer growing season than adjacent areas. Most plants are readily grazed by all species of domestic animals.

TENTATIVE

ECOSYSTEM DESCTIPTION
6. DESERT SANDY LOAM
VEGETATION TYPE: HIJA/ORHY
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs in gently sloping desert mesas, flood plains, alluvial fans, and valleys. Slopes range from 1-10 percent. Elevation ranges from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate of this ecosystem is characterized by moderate winters and very hot summers. Precipitation averages 13 to 20 cm. (5 to 8 inches) annually. Distribution is 50 to 55 percent during the plant growth period, March to October. Some years are so dry that little plant growth occurs and some plants remain dormant. Precipitation is extremely variable from month to month and year to year. On the average, the driest months are June, January, and February; the wettest are October, August, and April.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grass going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The vegetation of this ecosystem is approximately 45 to 55 percent grasses, 20 to 25 percent forbs, and 40 to 45 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 45-55 |
| HIJA | Galleta | 20-25 |
| ORHY | Indian ricegrass | 10-15 |
| SPCR | Sand dropseed | 3-5 |
| ARLO3 | Red threeawn | 2-3 |
| STCO4 | Needleandthread | 2-3 |
| PPGG | Other perennial grasses | 1-3* |
| MUPU2 | Sandhill muhly | |
| SIHY | Bottlebrush squirreltail | |
| SPAI | Alkali sacaton | |
| SPGI | Giant dropseed | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| | | |
|---|---|---|
| Forbs | | 20-25 |
| SPHAE | Globemallow | 5-10 |
| ASTRA | Locoweed | 1-5 |
| ASTER | Aster | 1-2 |
| PPFF | Other perennial forbs | 1-5* |
| CRFL5 | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| ERIN4 | Desert trumpet eriogonum | |
| HAPLO2 | Goldenweed | |
| HYMEN7 | Hymenoxys | |
| PETAL | Prairieclover | |
| AAFF | Other annual forbs | 1-5* |
| OEPA2 | Pale eveningprimrose | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 40-45 |
| ATCA2 | Fourwing saltbush | 5-10 |
| ATCO | Shadscale | 5-10 |
| EULA5 | Winterfat | 3-6 |
| EPNE | Nevada mormontea -- | 2-5 |
| EPTO | Torrey mormontea -- | |
| CHGR | Greene rabbitbrush -- | 2-3 |
| CHNA2 | Rubber rabbitbrush -- | |
| GUSA2 | Broom snakeweed | |
| SSSS | Other shrubs | 2-3* |
| ARFI2 | Sand sagebrush | |
| ERIOG | Eriogonum | |
| OPPO | Plains pricklypear | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 45-55 |
| HIJA | Galleta | 20-25 |
| ORHY | Indian ricegrass | 10-15 |
| SPC2 | Sand dropseed | 3-5 |
| ARLO3 | Red threeawn | 2-3 |
| STCO4 | Needleandthread | 2-3 |
| PPOG | Other perennial grasses | 1-3* |
| MUPU2 | Sandhill muhly | |
| SIHY | Bottlebrush squirreltail | |
| SPAI | Alkali sacaton | |
| SPCI | Giant dropseed | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| | | |
|---|---|---|
| Forbs | | 20-25 |
| SPHAE | Globemallow | 5-10 |
| ASTRA | Locoweed | 1-5 |
| ASTER | Aster | 1-2 |
| PPFP | Other perennial forbs | 1-5* |
| CRFL5 | Yellow cryptantha | |
| ERIOB2 | Daisy | |
| ERIN4 | Desert trumpet eriogonum | |
| HAFLO2 | Goldenweed | |
| HIMEN7 | Hymenozys | |
| PETAL | Prairieclover | |
| AAFF | Other annual forbs | 1-5* |
| GEPA2 | Pale eveningprimrose | |
| FLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 40-45 |
| ATCA2 | Fourwing saltbush | 5-10 |
| ATCO | Shadscale | 5-10 |
| EULA5 | Winterfat | 3-6 |
| EPNE | Nevada mormontea -- | 2-5 |
| EPTO | Torrey mormontea -- | |
| CHCR | Greene rabbitbrush -- | 2-3 |
| CHNA2 | Rubber rabbitbrush -- | |
| GUSA2 | Broom snakeweed | |
| SSSS | Other shrubs | 2-3* |
| ARFI2 | Sand sagebrush | |
| ERIOG | Eriogonum | |
| OPPO | Plains pricklypear | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

c. Tree species do not occur in this ecosystem.

d. The vegetative ground cover is 15 to 20 percent.

e. Species that may invade the ecosystem are cheatgrass, common ragweed, common sunflower, and sixweeks fescue.

f. Vegetation, soils or other features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 800 | 700 |
| Average years | 650 | 550 |
| Unfavorable | 400 | 350 |

5. Soils

a. The soils are deep and well drained loamy fine sands. There are lime accumulations in lower profile. Permeability is moderately rapid. Water run-off is very slow, and water erosion is slight. Wind erosion hazards are moderate.

b.

| Soils | Mapping Units |
|---|---|
| Moepita variant, stony sandy clay loam | 11,12,14 |
| Monue, loamy fine sand, hummocky, 3 to 10 percent slopes | 11,12,14 |
| Redlands, fine sandy loam, 3 to 10 percent slopes | 11,12,14 |
| Trook, fine sandy loam, 2 to 6 percent slopes | 11,12,14 |

B. GRAZING VALUES

This ecosystem produces good grazing for cattle, horses, sheep and fair use for antelope and deer. Approximately 80 to 90 percent of plants provide some forage value for grazing animals.

TENTATIVE

ECOSYSTEM DESCRIPTION
7. DESERT SHALLOW CLAY
VEGETATION TYPE: ATC04/ATNUC
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs on old mesa remnants and steep uplands adjacent to badlands. Slopes range from 1 to 50 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate is arid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent of the rain falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants. A high percentage of summer precipitation that falls is ineffective because of high run-off rate.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The climax vegetation is approximately 10 to 15 percent grasses, 10 to 15 percent forbs, and 70 to 80 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 10-15 |
| HIJA | Galleta | 5-10 |
| ORHY | Indian ricegrass | 1-3 |
| SIHY | Bottlebrush squirreltail | 1-3 |
| PPGG | Other perennial grasses | 1-2* |
| ARLO3 | Red threeawn | |
| SPAI | Alkali sacaton | |
| SPCR | Sand dropseed | |
| AAGG | Other annual grasses | 1-2* |
| BRTE | Cheatgrass | |

*Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| ERIN4 | Desert trumpet eriogonum | 2-5 |
| ASWA | Wasatch aster | 1-3 |
| SPHAE | Globemallow | 1-3 |
| PPFF | Other perennial forbs | 5-7* |
| ASTRA | Locoweed | |
| ERIGE2 | Daisy | |
| ERIOG | Eriogonum | |
| CANU3 | Sego lily | |
| GILIA | Gilia | |
| LOMAT | Lomatium | |
| AAFF | Other annual forbs | 1-3** |
| HEAN3 | Common sunflower | |
| OEPA2 | Pale eveningprimrose | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 7 percent.

**Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| | | |
|---|---|---|
| Shrubs | | 70-80 |
| ATCO4 | Mat saltbush | 50-60 |
| ARSP5 | Bud sagebrush | 5-10 |
| SSSS | Other shrubs | 5-10* |
| ATNUC | Wedgeleaf nuttall saltbrush | |
| EULA5 | Winterfat | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

c. Tree species do not occur in this ecosystem.

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 10-15 |
| HIJA | Galleta | 5-10 |
| ORHY | Indian ricegrass | 1-3 |
| SIHY | Bottlebrush squirreltail | 1-3 |
| PPGG | Other perennial grasses | 1-2* |
| ARLO3 | Red threeawn | |
| SPAI | Alkali sacaton | |
| SPCR | Sand dropseed | |
| AAGG | Other annual grasses | 1-2* |
| BRTE | Cheatgrass | |

*Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| ERIN4 | Desert trumpet eriogonum | 3-5 |
| ASWA | Wasatch aster | 1-3 |
| SPHAE | Globemallow | 1-3 |
| PPFF | Other perennial forbs | 5-7* |
| ASTRA | Locoweed | |
| ERIGR2 | Daisy | |
| ERIOG | Eriogonum | |
| CANU3 | Sego lily | |
| GILIA | Gilia | |
| LOMAT | Lomatium | |
| AAFF | Other annual forbs | 1-3** |
| HEAN3 | Common sunflower | |
| OEPA2 | Pale evening primrose | |
| PLPA2 | Desert Indian heat | |

*Allow no more than 1 percent of each species in this group for a maximum of 7 percent.

**Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| | | |
|---|---|---|
| Shrubs | | 70-80 |
| ATCO4 | Mat saltbush | 50-60 |
| ARSP5 | Bud sagebrush | 5-10 |
| SSSS | Other shrubs | 5-10* |
| ATNUC | Wedgeleaf nuttall saltbrush | |
| BULA5 | Winterfat | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| TESPE | Spiny horsebrush | |

*Allow no more than 2 percent of each species in this group for a maximum of 10 percent.

c. Tree species do not occur in this ecosystem

d. The vegetative ground cover is 10 to 15 percent. Forb production is highly variable depending upon the moisture available.

e. Species that may invade this plant community are halogeton, mustards, and cheatgrass.

f. Vegetation, soils, or other features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 350 | 300 |
| Average years | 250 | 200 |
| Unfavorable years | 125 | 100 |

5. Soils

a. These soils are shallow, fine textured, 10 to 20 inches deep over shale. Infiltration rate is slow. The soils readily erode, and there are areas that produce sediment.

b.

| Soils | Mapping Units |
|---|---|
| Blueflat loam, clayey substratum, 2 to 25 percent slopes | 2,3,4,5,19,20,25, 25,26 |
| Chipeta silty clay loam, very shallow, 1 to 10 percent slopes | |
| Chipeta silty clay loam, very shallow, 10 to 25 percent slopes | |
| Chipeta silty clay loam, very shallow, 25 to 50 percent slopes | |
| Typic Torriorthents, 15 to 40 percent slopes | |
| Typic Torriorthents, clayey 45 to 80 percent slopes | |

B. GRAZING VALUES

The production and accessibility limit use by domestic livestock, specifically the middle and upper slopes. Vegetative recovery is very slow. This site is better utilized by domestic sheep.

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TENTATIVE

ECOSYSTEM DESCRIPTION
8. DESERT CLAY
VEGETATION TYPE: ATNUC/HIJA
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem is found on gently sloping fans, flood plains and desert flats. Slopes range from 1 to 25 percent but are mostly 1 to 5 percent. Elevation ranges from 1,341 to 1,524 meters (4,400 to 5,000 feet).

### 2. Climatic Features

a. The climate is arid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent of the rain falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants. A high percentage of summer precipitation that falls is ineffective because of high run-off rate.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The climax vegetation is approximately 30 to 40 percent grasses, 10 to 15 percent forbs, and 45 to 55 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 30-40 |
| HIJA | Galleta | 15-20 |
| ORHY | Indian ricegrass | 5-10 |
| SIHY | Bottlebrush squirreltail | 1-5 |
| ARIST | Threeawn | 1-3 |
| SPAS | Tall dropseed | 1-2 |
| Forbs | | 10-15 |
| SPHAE | Globemallow | 1-5 |
| ERIN4 | Desert trumpet eriogonum | 1-5 |
| ASTRA | Locoweed | 1-3 |
| PLPA2 | Desert Indianwheat | 1-2 |
| PPFF | Other perennial forbs | 1-5* |
| ASTER | Aster | |
| ASWA | Wasatch aster | |
| CANU3 | Sego lily | |
| ERIGE2 | Daisy | |
| LOMAT | Lomatium | |
| LUPIN | Lupine | |
| STPI | Desert princeplume | |
| AAFF | Other annual forbs | 1-2** |
| MENTE | Blazingstar | |
| OEPA2 | Pale eveningprimrose | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

**Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

| | | |
|---|---|---|
| Shrubs | | 45-55 |
| ATNUC | Wedgeleaf nuttall saltbush | 35-40 |
| ARSP5 | Bud sagebrush | 3-5 |
| EULA5 | Winterfat | 3-5 |
| ATCO | Shadscale | 1-5 |
| SSSS | Other shrubs | 1-5* |
| CHNA2 | Rubber rabbitbrush | |
| EPTO | Torrey mormontea | |
| GUSA2 | Broom snakeweed | |
| KOAMV | Gray molly | |
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. Tree species do not occur in this ecosystem.

d. The vegetative ground cover is 15 to 20 percent. Forb production is highly variable depending upon the moisture available.

e. Species that may invade this plant community are halogeton, mustards, and cheatgrass.

f. Vegetation, soils, or other features which are particular to <u>other</u> survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 435 | 375 |
| Average years | 320 | 275 |
| Unfavorable years | 200 | 175 |

5. Soils

a. These soils are moderately deep fine textured and somewhat influenced by salt. The permeability rate is low. These soils produce high rates of run-off and are subject to moderate to severe erosion.

| b. Soils | Mapping Units |
|---|---|
| Blueflat loam, 2 to 25 percent slopes | 3,4,5,19,20 |
| Chipeta silty clay loam, thick, 1 to 10 percent slopes | |
| Sagers silty clay loam, 1 to 3 percent slopes | |

B. GRAZING VALUES

The production is low, but the vegetation in this ecosystem produces adequate forage for livestock use.

6. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 840 | 375 |
| Average years | 730 | 275 |
| Unfavorable years | 200 | 175 |

7. Soils

a. These soils are moderately deep fine textured and somewhat influenced by salt. The permeability rate is low. These soils produce high rates of run-off and are subject to moderate to severe erosion.

b. Soils Mapping Units

Nueces silty clay loam, 1 to 3 percent slopes

Nueces silty clay loam, 3 to 5 percent slopes

Tiocano silty clay loam, thick, 1 to 10 percent slopes

Tiocano silty clay loam, 5 to 20 percent slopes

8. GRAZING VALUES

The production is low, but the vegetation in this ecosystem produces adequate forage for livestock use.

TENTATIVE

ECOSYSTEM DESCRIPTION
10. DESERT SHALLOW SANDY LOAM
VEGETATION TYPE: HIJA/CORA
May, 1981

Land Resource Area
D35

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs on mesas, benches and gentle to steep slopes adjacent to areas of rock outcrop. Slopes range from 2 to 60 percent but are mostly 2 to 7 percent. Elevations range from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate is arid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 13 to 20 cm. (5 to 8 inches). Approximately 55 to 60 percent of the rain falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The climax vegetation is approximately 35 to 45 percent grasses, 10 to 15 percent forbs, and 45 to 55 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like plants | | 35-45 |
| ORHY | Indian ricegrass | 15-20 |
| HIJA | Galleta | 10-15 |
| PPGG | Other perennial grasses | 1-5* |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| ARLO3 | Red threeawn | |
| POSE | Sandburg bluegrass | |
| SIHY | Bottlebrush squirreltail | |
| SPCR | Sand dropseed | |
| SPFL2 | Mesa dropseed | |
| STCO4 | Needleandthread | 1-5 |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Forbs | | 10-15 |
| SPHAE | Globemallow | 1-5 |
| ASTRA | Locoweed | 1-2 |
| PPGG | Other perennial grasses | 1-4* |
| ASTER | Aster | |
| ASWA | Wasatch aster | |
| CANU3 | Sego lily | |
| CASTIZ2 | Indian paintbrush | |
| CRFS5L | Yellow crypantha | |
| ERIGE2 | Daisy | |
| ERIN4 | Desert trumpet eriogonum | |
| HYMEN7 | Hymenoxys | |
| LOMAT | Lomatium | |
| LUPIN | Lupine | |
| STPI | Desert princeplume | |
| WYSC | Badlands wyethia | |
| AAFF | Other annual forbs | 1-4* |
| ERIOG | Eriogonum | |
| GILIZA | Gilia | |
| LEPID | Pepperweed | |
| OEPA2 | Pale eveningprimrose | |
| PLPA2 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 4 percent.

| | | |
|---|---|---|
| Shrubs | | 45-55 |
| ATCO | Shadscale | 10-15 |
| CORA | Blackbrush | 10-15 |
| GUSA2 | Broom snakeweed | 3-5 |
| EPNE | Nevada mormontea -- | 1-5 |
| EPTO | Torrey mormontea -- | |
| EPVI | Greene mormontea | 1-2 |
| CHGR6 | Green rabbitbrush | 1-2 |
| EULA5 | Winterfat | 1-2 |
| SSSS | Other shrubs | 3-8* |
| ATCA2 | Fourwing saltbush | |
| CHNA2 | Rubber rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| ERIOG | Eriogonum | |
| ERMI4 | Slenderbrush eriogonum | |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| ARLO3 | Red threeawn | |
| POSS | Sandburg bluegrass | |
| SIHI | Bottlebrush squirreltail | |
| SPCR | Sand dropseed | |
| SPFL2 | Mesa dropseed | |
| STOC4 | Needleandthread | 1-5 |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| Forbs | | 10 |
|---|---|---|
| SPHAE | Globemallow | 1-5 |
| ASTRA | Locoweed | 1 |
| PEGG | Other perennial grasses | 1-6* |
| ASTER | Aster | |
| ASWA | Wahatch aster | |
| CAMU3 | Sago lily | |
| CASTIZP | Indian paintbrush | |
| CRFS3L | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| ERIM4 | Desert trumpet eriogonum | |
| HYMEN7 | Hymenoxys | |
| LOMA3 | Lomatium | |
| LUPIN | Lupine | |
| SPVI | Desert princesplume | |
| MISC | Badlands wyethia | |
| AAFP | Other annual forbs | 1-6* |
| ERIOG | Eriogonum | |
| GILIZA | Gilia | |
| LEPID | Pepperweed | |
| OEPA2 | Pale eveningpriarose | |
| PEPA3 | Desert Indianwheat | |

*Allow no more than 1 percent of each species in this group for a maximum of 4 percent.

| Shrubs | | 45-55 |
|---|---|---|
| ATCO | Shadscale | 10-15 |
| CORA | Blackbrush | 10-15 |
| GUSA2 | Broom snakeweed | 3-5 |
| EPNE | Nevada mormontea | 1-5 |
| EPTO | Torrey mormontea | |
| EPVI | Greene mormontea | 1-2 |
| CHGR6 | Green rabbitbrush | 1-2 |
| EULA5 | Winterfat | 2-2 |
| SESS | Other shrubs | 3-8* |
| ATCA2 | Fourwing saltbush | |
| CHNA2 | Rubber rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| ERIOG | Eriogonum | |
| ERMI4 | Slenderbrush eriogonum | |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| OPPO | Plains pricklypear | |
| TESP2 | Spiny horsebrush | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species in this group for a maximum of 8 percent.

c. A few scattered Utah juniper and pinyon pine are found growing in this ecosystem.

d. The vegetative ground cover density is 10 to 15 percent.

e. Species that may invade the plant community are Russian thistle, halogeton, and cheatgrass.

f. Vegetation, soils or other features which are particular to other survey areas where this site has been mapped:

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| OPPO | Plains prickly pear | |
| TESPE | Spiny horsebrush | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

c. A few scattered Utah juniper and pinyon pine are found growing in this ecosystem.

d. The vegetative ground cover density is 10 to 15 percent.

e. Species that may invade the plant community are Russian thistle, halogeton, and cheatgrass.

f. Vegetation, soils or other features which are particular to other survey areas where this site has been mapped.

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 500 | 450 |
| Average years | 400 | 350 |
| Unfavorable years | 300 | 250 |

5. Soils

a. These soils are shallow fine sandy loams (10-20 inches) over sandstone. The permeability is moderate to rapid. These soils provide little resistance to atmospheric pull. They yield most of soil moisture for plant use. Erosion may be moderate in high intensity rain.

b.

| Soils | Mapping Units |
|---|---|
| Moenkopi fine sandy loam, 3 to 10 percent slopes | 11,12,14,15,16,17,21, 22,25,27,31,33 |
| Valley City, very stony fine sandy loam, 8 to 25 percent slopes | |
| Moenkopi, fine sandy loam, 10 to 30 percent slopes | |

B. GRAZING VALUES

This ecosystem produces grazable forage for sheep, cattle, horses, antelope, and deer. Plant response to rainfall is rapid with the "greenup" and "vegetative growth" stages lasting longer than on adjacent sites.

TENTATIVE

ECOSYSTEM DESCRIPTION
12. TALUS SLOPE
VEGETATION TYPE: ELSA/JUOS
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This ecosystem occurs on talus slopes. Slopes range from 25 to 70 percent. Elevation ranges from 1,219 to 1,524 meters (4,000 to 5,000 feet).

### 2. Climatic Features

a. The climate of this ecosystem varies from arid at base of slope to semiarid toward summit of slopes. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 15 to 25 cm. (6 to 10 inches). The rainfall is effective, because of high run-off rate into pockets. Approximately 55 to 60 percent of precipitation occurs during dormant period of plant growth (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plants. The plants in this community are not as adversely affected as in adjacent sites, because of partial shading and shorter hours exposure to sunlight.

b. Plants start growth about mid-March and usually continue until mid-October. Optimum growth on cool season plants occurs in May, with the grasses going dormant in June. Warm season plants make their optimum growth in July. Frost-free period is 140 to 180 days.

### 3. Climax Vegetation

a. The vegetation of this ecosystem is 30 to 35 percent grasses, 10 to 15 percent forbs, and 50 to 60 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 30-35 |
| ELSA | Saline wildrye | 10-15 |
| HIJA | Galleta | 5-10 |

TENTATIVE

ECOSYSTEM DESCRIPTION
12. TALUS SLOPE
VEGETATION TYPE: ELSA/JUOS
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

A. PHYSICAL CHARACTERISTICS

1. Physiographic Features

This ecosystem occurs on talus slopes. Slopes range from 25 to 70 percent. Elevation ranges from 1,219 to 1,524 meters (4,000 to 5,000 feet).

2. Climatic Features

a. The climate of this ecosystem varies from arid at base of slope to semiarid toward summit of slopes. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 15 to 25 cm (6 to 10 inches). The rainfall is effective, because of high run-off rate into pockets. Approximately 55 to 60 percent of precipitation occurs during dormant period of plant growth (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plants. The plants in this community are not as adversely affected as in adjacent sites, because of partial shading and shorter hours exposure to sunlight.

b. Plants start growth about mid-March and usually continue until mid-October. Optimum growth on cool season plants occurs in May, with the grasses going dormant in June. Warm season plants make their optimum growth in July. Frost-free period is 140 to 180 days.

3. Climax Vegetation

a. The vegetation of this ecosystem is 30 to 35 percent grasses, 10 to 15 percent forbs, and 50 to 60 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 30-35 |
| ELSA | Saline wildrye | 10-15 |
| HIJA | Galleta | 5-10 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| ORHY | Indian ricegrass | 3-5 |
| PPGG | Other perennial grasses | 1-3* |
| ARLO3 | Red threeawn | |
| SIHY | Bottlebrush squirreltail | |
| STSP3 | Desert needlegrass | |
| AAGG | Other annual grasses | 1-2 |
| BRTE | Cheatgrass | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| Forbs | | 10-15 |
|---|---|---|
| SPHAE | Globemallow | 1-3 |
| PPFF | Other perennial forbs | 3-5* |
| ASTER | Aster | |
| ASTRA | Locoweed | |
| CRFL5 | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| ERIN4 | Desert trumpet eriogonum | |
| HAPLO2 | Goldenweed | |
| HYMEN4 | Hymenopappus | |
| STPI | Desert princeplume | |
| WYSC | Badlands wyethia | |
| AAFF | Other annual forbs | 1-2 |
| ERIOG | Eriogonum | |
| LEPID | Pepperweed | |

*Allow no more than 1 percent of each species for a total of 5 percent.

| Shrubs | | 50-60 |
|---|---|---|
| JUOS | Utah juniper | 4-7 |
| ARBl3 | Bigelow sagebrush | 3-5 |
| ATCO | Shadscale | 3-5 |
| ATCA2 | Fourwing saltbush | 2-5 |
| CORA | Blackbrush | 2-5 |
| RHTR | Squawbush | 2-5 |
| BRICK | Brickellbush | 1-3 |
| CHGR6 | Green rabbitbrush -- | |
| CHNA2 | Rubber rabbitbrush -- -- | 1-3 |
| CHV18 | Douglas rabbitbrush-- | |
| COME5 | Mexican cliffrose | 1-3 |
| EPCU | Cutler mormontea-- | |
| EPNE | Nevada mormontea-- -- | 1-3 |
| EPTO | Torrey mormontea-- | |
| GUSA2 | Broom snakeweed | 1-3 |
| FRAN2 | Singleleaf ash | 1-2 |
| GRSP | Spiny hopsage | 1-2 |
| SSSS | Other shrubs | 1-10 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| ORHY | Indian ricegrass | 3-5 |
| PPGG | Other perennial grasses | 1-3* |
| ARLO3 | Red threeawn | |
| SIHY | Bottlebrush squirreltail | |
| STSP3 | Desert needlegrass | |
| AAGG | Other annual grasses | 1-2 |
| BRTE | Cheatgrass | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| Forbs | | 10-15 |
|---|---|---|
| SPHAB | Globemallow | 1-3 |
| PPPP | Other perennial forbs | 3-5* |
| ASTER | Aster | |
| ASTRA | Locoweed | |
| CRPL5 | Yellow cryptantha | |
| ERIGE2 | Daisy | |
| ERIN4 | Desert trumpet eriogonum | |
| HAPLO2 | Goldenweed | |
| HYMEN4 | Hymenopappus | |
| STPI | Desert princeplume | |
| WYSC | Bailands wyethia | |
| AAFF | Other annual forbs | 1-2 |
| ERIOG | Eriogonum | |
| LEPID | Pepperwaus | |

*Allow no more than 1 percent of each species for a total of 5 percent.

| Shrubs | | 50-60 |
|---|---|---|
| JUOS | Utah juniper | 4-7 |
| ARBI3 | Bigelow sagebrush | 3-5 |
| ATCO | Shadscale | 3-5 |
| ATCA2 | Pourwing saltbush | 2-5 |
| GORA | Blackbrush | 2-5 |
| NETE | Squawbush | 2-5 |
| DIFF | Brickellbush | 1-3 |
| CHGE6 | Green rabbitbrush -- | |
| CHNA2 | Rubber rabbitbrush -- | 1-3 |
| CHVI8 | Douglas rabbitbrush-- | |
| COMES | Mexican cliffrose | 1-3 |
| EPCU | Cutler mormontea-- | |
| EPNE | Nevada mormontea-- -- | 1-3 |
| EPTO | Torrey mormontea-- | |
| GUSA2 | Broom snakeweed | 1-3 |
| FRAN2 | Singleleaf ash | 1-2 |
| GRSP | Spiny hopsage | 1-2 |
| SRCS | Other shrubs | 1-10 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| AMUT | Utah serviceberry | |
| ARFI2 | Sand sagebrush | |
| EPVI | Green mormontea | |
| ERFA2 | Flattop eriogonum | |
| LEFR2 | Desert pepperweed | |
| OPPO | Plains pricklypear | |
| POIN3 | Hoary rosemarymint | |
| SHPO | Leadbush | |
| SYMP | Snowberry | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species in this group for a maximum of 10 percent.

c. This ecosystem has scattered small trees such as singleaf ash and Utah juniper. The woody plants improve aesthic value and wildlife habitat.

d. The vegetative ground cover is 10 to 15 percent.

e. Species which may invade this plant community are annual forbs and grasses. Broom snakeweed will increase significantly with any deterioration of plant community.

f. Vegetation, soils, or other features which are particular to other survey areas where this site has been mapped:

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| AMUT | Utah serviceberry | |
| ARFI2 | Sand sagebrush | |
| EPVI | Green mormontea | |
| ERPA2 | Flattop eriogonum | |
| LEPR2 | Desert pepperweed | |
| OPPO | Plains pricklypear | |
| POIN3 | Hoary rosemarymint | |
| SHPO | Leadbush | |
| SYKP | Snowberry | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species in this group for a maximum of 10 percent.

c. This ecosystem has scattered small trees such as singleaf ash and Utah juniper. The woody plants improve aesthic value and wildlife habitat.

d. The vegetative ground cover is 10 to 15 percent.

e. Species which may invade this plant community are annual forbs and grasses. Broom snakeweed will increase significantly with any deterioration of plant community.

f. Vegetation, soils, or other features which are particular to other survey areas where this site has been mapped.

4. Total Annual Production (Variable)

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 250 | 300 |
| Average years | 175 | 225 |
| Unfavorable years | 100 | 100 |

5. Soils

a. Large boulders and rock outcrop cover 50 to 90 percent of the area. Generally, the soil material is very shallow, but there are minute pockets of deep soil.

| b. Soils | Mapping Units |
|---|---|
| Typic Torriorthents, bouldery, 50 to 70 percent slopes | 117 |

B. GRAZING VALUES

This has poor accessibility and usable forage is sparse for domestic livestock. This ecosystem has low grazing value. This plant community has high use value for small mammals, deer, and bighorn sheep.

TENTATIVE

ECOSYSTEM DESCRIPTION
13. SALTY STREAM BOTTOM
VEGETATION TYPE: SPAI/POFR2
May, 1981

Land Resource Area
D34

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

Topography is river bottoms and stream bottoms adjacent to live water. These areas have a water table within the root zone. Slopes range from 0 to 1 percent. Elevation is 1,216 to 1,265 meters (3,990 to 4,150 feet).

### 2. Climatic Features

a. This area is primarily within the semidesert climatic zone but plant growth is influenced more by run-in moisture and the water table than from precipitation that falls on the site. Slight to moderate saline-alkaline conditions influence the kind and amount of plant growth.

b. Plants start growth about mid-March and usually continues until mid-October. Optimum growth on cool season plants occurs in May with the grasses going dormant in June. Warm season plants make their optimum growth in July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The climax plant community is dominated by alkali sacaton, short grasses, shrubs, halophytic forbs and occasional trees. The vegetation of this ecosystem is 60 to 70 percent grasses, 5 to 10 percent forbs, and 30 to 35 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 60-70 |
| SPAI | Alkali sacaton | 40-55 |
| DIST | Inland saltgrass | 3-5 |
| PHC015 | Common reed | 1-5 |
| SPCR | Sand dropseed | 1-3 |
| SPC04 | Spike dropseed | 1-2 |
| PPGG | Other perennial grasses | 1-2 |
| ORHY | Indian ricegrass | |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Forbs | | 5-10 |
| ATAR2 | Silverscale saltweed | 1-2 |
| PLPA2 | Desert Indianwheat | 1-2 |
| PPFF | Other perennial forbs | 1-5* |
| ASTRA | Locoweed | |
| ERIGE2 | Daisy | |
| EUPHO | Spurge | |
| GAILL | Gaillardia | |
| LEPID | Pepperweed | |
| SPHAE | Globemallow | |
| STPI | Desert princeplume | |

*Allow no more than 1 percent of each species in this group for a maximum of 5 percent.

| | | |
|---|---|---|
| Shrubs | | 30-35 |
| SAVE4 | Black greasewood | 2-6 |
| POFR2 | Fremont cottonwood | 2-5 |
| SAEX | Sandbar willow | 2-4 |
| ATCA2 | Fourwing saltbush | 1-5 |
| ATCO | Shadscale | 1-5 |
| CHNA2 | Rubber rabbitbrush | 1-5 |
| SUAED | Seepweed | 1-3 |
| SSSS | Other shrubs | 1-3 |
| GUSA2 | Broom snakeweed | |
| QUERC | Oak | |
| RHTR | Squawbush | |

c. This ecosystem does have some plants that do or have the capabilities of producing trees such as cottonwood, oaks and willows. Their main contributions to this area is aesthic value and benefits to wildlife.

d. The woody canopy is 10 to 15 percent. The vegetative ground cover is from 30 to 35 percent.

e. The primary invading plant in this plant community is the introduced species, salt cedar. Greasewood and saltgrasses will increase with ecosystem deterioration.

f. Vegetation, soils, or other features which are particular to <u>other</u> survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 4100 | 3600 |
| Average years | 2900 | 2500 |
| Unfavorable years | 1700 | 1500 |

5. Soils

a. The soils in this ecosystem are deep and moderately well to somewhat poorly drained. The surface layer is loam, silt loam, and very fine sandy loam, 2.5 to 18 centimeters (1 to 7 inches) thick. These soils contain 4 to 16 mmhos/cm of salt and have a water table at a depth of 50 to 152 centimeters (20 to 60 inches) or more. They are mildly to strongly alkaline.

Permeability is moderately slow to moderately rapid. The soils have minor erosion susceptibility.

b.

| Soils | Mapping Units |
|---|---|
| Typic Ustifluvents, 0 to 3 percent slopes | 34 |

B. GRAZING VALUES

This ecosystem provides a high annual production of forage for domestic and wild animals. The high water table provides enough available water for sustained plant growth throughout most of the growing season. The digestable protein content of plants remains high throughout most of the growing season.

TENTATIVE

ECOSYSTEM DESCRIPTION
15. SEMIDESERT SAND
VEGETATION TYPE: ORHY/EPHED
May, 1981

Land Resource Area
D35

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This site occurs on mesas, upland gentle slopes, and old stabilized dunes. Slopes range from 2 to 20 percent but are mostly 2 to 5 percent. Elevations range from 1,402 to 1,646 meters (4,600 to 5,400 feet).

### 2. Climatic Features

a. The climate is semiarid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 20 to 25 cm. (8 to 10 inches). Approximately 55 to 60 percent falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants.

b. Plants start growth about mid-March and usually continue until mid-October. Optimum growth on cool season plants occurs in May, with the grasses going dormant in June. Warm season plants make their optimum growth in July. Frost-free period is 140 to 160 days.

### 3. Climax Vegetation

a. The vegetation of this ecosystem is approximately 50 to 55 percent grasses, 10 to 15 percent forbs and 35 to 40 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 50-55 |
| ORHY | Indian ricegrass | 20-25 |
| STCO4 | Needleandthread | 5-10 |
| MUPU2 | Sandhill muhly | 3-6 |
| HIJA | Galleta | 2-6 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| SPCR | Sand dropseed | 1-3 |
| ARLO3 | Red threeawn | 1-2 |
| AAGG | Other annual grasses | 1-3 |
| BRTE | Cheatgrass | |
| FEOC2 | Sixweeks fescue | |
| Forbs | | 10-15 |
| SPHAE | Globemallow | 2-5 |
| ASTRA | Locoweed | 1-3 |
| OEPA2 | Pale eveningprimrose | 1-2 |
| PPFF | Other perennial forbs | 1-3* |
| CRFL5 | Yellow cryptantha | |
| GAILL | Gaillardia | |
| HYMEN7 | Hymenoxys | |
| LEFR2 | Desert pepperweed | |
| LYGOD | Skeletonweed | |
| PSORA | Scurfpea | |
| SENEC | Groundsel | |
| WYSC | Badlands wyethia | |
| AAFF | Other annual forbs | 1-3* |
| ABRON | Sand verbena | |
| AMAR2 | Common ragweed | |
| ASTER | Aster | |
| CHENO | Goosefoot | |
| ERIOG | Eriogonum | |
| GILIA | Gilia | |
| HEAN3 | Common sunflower | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| | | |
|---|---|---|
| Shrubs | | 35-40 |
| ATCA2 | Fourwing saltbush | 3-8 |
| ARFI2 | Sand sagebrush | 3-5 |
| EPNE | Nevada mormontea -- | |
| EPTO | Torrey mormontea -- -- | 2-5 |
| EPVI | Greene mormontea -- | |
| ERCOI4 | Corymbed eriogonum | 1-3 |
| QUUN | Wavyleaf oak | 1-3 |
| ERMI4 | Slenderbush eriogonum | 1-2 |
| GUSA2 | Broom snakeweed | 1-2 |
| SSSS | Other shrubs | 3-6* |
| CHNA2 | Rubber rabbitbrush | 0-1 |
| CHV18 | Douglas rabbitbrush | |
| EULA5 | Winterfat | |
| OPPO | Plains pricklypear | |
| POIN3 | Hoary rosemarymint | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species in this group for a maximum of 6 percent.

c. This ecosystem has a few scattered junipers. Their primary value is improvement of habitat for wildlife.

d. The vegetative ground cover is 10 to 15 percent.

e. Species which may invade this plant community are annual grasses, Russian thistle and halogeton.

f. Vegetation, soils or other features which are particular to other survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 800 | 700 |
| Average years | 575 | 500 |
| Unfavorable years | 300 | 250 |

5. Soils

a. The soils are deep to very deep loamy fine sands. The rate of water intake is moderate to rapid. Run-off and water erosion are insignificant. There is some wind erosion. Water stored in these soils is readily available to plants.

b.

| Soils | Mapping Units |
|---|---|
| Mespun, loamy fine sand, 2 to 20 percent slopes | 100,101,103,104,105,106, 107,110,111,115,116 |
| Mespun, loamy fine sand, hummocky, 2 to 10 percent slopes | |

B. GRAZING VALUES

This ecosystem produces a variety of plants for major kinds of domestic livestock, deer and animals. Since the soils readily take up insignificant amounts of precipitation and readily give up this moisture for plants, it will have a longer growing period and green-up period than many adjacent areas.

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 800 | 700 |
| Average years | 575 | 500 |
| Unfavorable years | 300 | 250 |

5. Soils

a. The soils are deep to very deep loamy fine sands. The rate of water intake is moderate to rapid. Run-off and water erosion are insignificant. There is some wind erosion. Water stored in these soils is readily available to plants.

b. Soils

| | Mapping Units |
|---|---|
| Neepun, loamy fine sand, 2 to 20 percent slopes | 100,101,103,104,105,106, 107,110,111,115,116 |
| Neepun, loamy fine sand, hummocky, 2 to 10 percent slopes | |

8. GRAZING VALUES

This ecosystem produces a variety of plants for major kinds of domestic livestock, deer and animals. Since the soils readily take up insignificant amounts of precipitation and readily give up this moisture for plants, it will have a longer growing period and green-up period than many adjacent areas.

TENTATIVE

ECOSYSTEM DESCRIPTION
16. SEMIDESERT SHALLOW SANDY LOAM (J-P)
VEGETATION TYPE: PIED/JUOS/CORA
May, 1981

Land Resource Area
D35

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

Topography is foothills and benches. Slopes range from 1 to 20 percent, but mostly less than 8 percent. Elevations range from 1,463 to 1,859 meters (4,800 to 6,100 feet).

### 2. Climatic Features

a. The climate of this ecosystem is semiarid with moderately snowy, fairly mild winters and very hot summers. The annual average precipitation ranges from approximately 20 to 30 centimeters (8 to 12 inches). Distribution is about 45 to 50 percent during the plant growth period, March through September. This provides for warm season plants to be a significant part of the plant composition. Precipitation is extremely variable from month to month as well as year to year. On the average, the driest months are June, January, and February, and the wettest are October, August and April.

b. Plants start growth about mid-March and usually continue until mid-October. Optimum growth on the cool season plants occurs in May, with the grasses going dormant in June. Warm season plants make their optimum growth in July. Frost-free period is 140 to 160 days.

### 3. Climax Vegetation

a. The climax vegetation is approximately 15 to 20 percent grasses, 5 to 10 percent forbs, and 65 to 75 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 15-25 |
| HIJA | Galleta | 2-10 |
| ORHY | Indian ricegrass | 2-10 |

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| PPGG | Other perennial grasses | 1-3 |
| ARLO3 | Red threeawn | |
| POSE | Sandburg bluegrass | |
| SIHY | Bottlebrush squirreltail | |
| SPCR | Sand dropseed | |
| AAGG | Other annual grasses | 1-2 |
| BRTE | Cheatgrass | |

*Allow no more than 1 percent of each species in this group for a maximum of 3 percent.

| Forbs | | 5-10 |
|---|---|---|
| ASTRA | Locoweed | 1-2 |
| PPFF | Other perennial forbs | 1-2* |
| SPHAE | Globemallow | |
| HAPLO2 | Goldenbush | |
| AAFF | Other annual forbs | 1-6** |
| ABRON | Sand verbena | |
| ASTER | Aster | |
| CRYPT | Cryptantha | |
| ERIOG | Eriogonum | |
| EUFE | Knotweed | |
| LEPID | Pepperweed | |
| MENTE | Blazingstar | |

*Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

**Allow no more than 1 percent of each species in this group for a maximum of 6 percent.

| Shrubs | | 65-75 |
|---|---|---|
| CORA | Blackbrush | 15-30 |
| JUOS | Utah juniper | 5-15 |
| EPNE | Nevada mormontea -- | 1-5 |
| EPTO | Torrey mormontea -- | |
| PIED | Pinyon pine | 1-5 |
| SSSS | Other shrubs | 1-7* |
| ATCA2 | Fourwing saltbrush | |
| CHGR6 | Green rabbitbrush | |
| CHNA2 | Rubber rabbitbrush | |
| CHV18 | Douglas rabbitbrush | |
| ERCO14 | Corymbed eriogonum | |
| GUSA2 | Broom snakeweed | |
| OPPO | Plains pricklypear | |
| QUUN | Wavyleaf oak | |
| YUCCA | Yucca | |

*Allow no more than 1 percent of each species to this group for a maximum of 7 percent.

c. The tree species are pinyon pine, singleaf ash, and

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| PPSP | Other perennial grasses | 1-3 |
| ARTR2 | Red fescues | |
| PUDE | Sandbur bluestem | |
| SLDY | Bentgrass, squirreltail | |
| SPCO | Sand dropseed | |
| ASPO | Other annual grasses | 1-2 |
| BRTE | Cheatgrass | |

*Allow no more than 3 percent of each species in this group for a maximum of 3 percent.

| FORBS | | 5-10 |
|---|---|---|
| ASTRA | Locoweed | 1-2 |
| PSSP | Other perennial forbs | 1-2* |
| CRYPT | Cryptantha | |
| TRAGO | Goatsbeard | |
| ASTER2 | Other annual forbs | 1-2** |
| ARTEM | Sand sagebrush | |
| ASTRA | Locoweed | |
| CRYPT | Cryptantha | |
| ERIOG | Eriogonum | |
| PENST | Penstemon | |
| LESQU | Tansymustard | |
| MONTI | Miner's lettuce | |

*Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

**Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

| SHRUBS | | 65-75 |
|---|---|---|
| QUGA | Gambel oak | 15-30 |
| JUOS | Utah juniper | 5-15 |
| QUHY | Mountain mahogany | 1-5 |
| CELEO | Curlleaf mountain-mahogany | 1-5 |
| PIED | Pinyon pine | 1-5 |
| JUSC2 | Other shrubs | 1-2* |
| ARTRA | Fourwing saltbush | |
| CHVI8 | Green rabbitbrush | |
| CHNA2 | Rubber rabbitbrush | |
| SECI6 | Douglas rabbitbrush | |
| PEDU2 | Purshand eriogonum | |
| QUGA4 | Scrub oak | |
| CEVE | Mountain mahogany | |
| ARTR2 | Mountain big sagebrush | |
| JUSCA | Utah juniper | |

*Allow no more than 1 percent of each species in this group for a maximum of 2 percent.

c. The tree species are pinyon pine, singleleaf ash, and

Utah juniper. If these species have any value for wood products, it is very limited. The Utah juniper and pinyon pine are utilized for cord wood for home firewood.

d. The vegetative ground cover is 9 to 13 percent. The overstory canopy is 15 to 30 percent.

e. Herbaceous species, both annuals and perennials, have significant fluctuation in density during dry and wet rainfall cycles.

The pinyon pine and juniper will and have increased in density. Blackbrush acts almost as an invader as it increases.

f. Vegetation, soils or other features which are particular to <u>other</u> survey areas where this site has been mapped:

4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 700 | 600 |
| Average years | 525 | 450 |
| Unfavorable years | 350 | 300 |

5. Soils

a. The soils in this ecosystem are shallow and well drained. They were formed in eolian sediment or residium derived primarily from sandstone and precambrian rock. The surface horizons are gravelly sandy or fine sandy loam of with 2 inches surface depth. Surface run-off is medium and erosion hazard is slight.

b.

| Soils | Mapping Units |
|---|---|
| Rizozo, fine sandy loam, dry, 2 to 10 percent slopes | 100,101,102,103,104, 105,106,107,108,110, 111,112,115,116 |
| Rizozo, fine sandy loam, dry, 10 to 20 percent slopes | |
| Rizozo, fine sandy loam, dry, 20 to 40 percent slopes | |
| Arches, loamy fine sand, 2 to 20 percent slopes | |

B. GRAZING VALUES

This ecosystem has very limited grazing value for domestic livestock. Most of the plants have poor grazing value, and some growth is out of reach to grazing animals. The plant community has limited use to deer.

TENTATIVE

ECOSYSTEM DESCRIPTION
17. SEMIDESERT SANDY LOAM
VEGETATION TYPE: HIJA/ORHY/CORA
May, 1981

Land Resource Area
D35

Approved: _____ (SCS) _____ (BLM)

## A. PHYSICAL CHARACTERISTICS

### 1. Physiographic Features

This site occurs on mesas, gently sloping upland areas, and valleys. Slopes range from 2 to 10 percent but mostly 3 to 5 percent. Elevations range from 1,524 to 1,829 meters (5,000 to 6,000 feet).

### 2. Climatic Features

a. The climate is semiarid. Winters are cold with limited snowfall, and summers are warm and dry. The average annual precipitation ranges from 20 to 30 cm. (8 to 12 inches). Approximately 55 to 60 percent of the rain falls during plant growth dormant period (October to March). This is the most dependable precipitation for plant growth and development. Inadequate rainfall and high evaporation rates during July, August and early September reduces growth of all plant species and produces dormancy in most herbaceous plants. A high percentage of precipitation that falls is effective because of rapid intake.

b. Plants start growth about mid-March and may continue growth until mid-October. Optimum growth on cool season plants occurs in early May with the grasses going dormant early in June. Warm season plants make their optimum growth in late June and July. Frost-free period is 150 to 180 days.

### 3. Climax Vegetation

a. The vegetation of this ecosystem is approximately 55 to 65 percent grasses, 5 to 10 percent forbs, and 40 to 50 percent shrubs.

b. Relative percentage of total plant community (air-dry weight).

| PLANT CODE | COMMON NAME | PERCENT |
|---|---|---|
| Grasses and Grass-like Plants | | 55-65 |
| ORHY | Indian ricegrass | 20-25 |
| HIJA | Galleta | 15-20 |
| STCO4 | Needleandthread | 5-10 |
| SPCR | Sand dropseed | 1-5 |
| MUPU2 | Sandhill muhly | 1-2 |
| SIHY | Bottlebrush squirreltail | 1-2 |
| SPCO4 | Spike dropseed | 1-2 |
| PPGG | Other perennial grasses | 3-5* |
| ARFE4 | Fendler threeawn | |
| ARLO3 | Red threeawn | |
| BOGR2 | Blue grama | |
| Forbs | | 5-10 |
| SPHAE | Globemallow | 3-5 |
| ASTRA | Locoweed | 2-3 |
| PPFF | Other perennial forbs | 1-4* |
| ASTER | Aster | |
| ERIN4 | Desert trumpet eriogonum | |
| LYGR | Large flower skeletonweed | |
| OEPA2 | Pale eveningprimrose | |
| PENST | Penstemon | |
| PETAL2 | Prairie clover | |
| STPI | Desert princeplume | |

*Allow no more than 2 percent of each species in this group for a maximum of 4 percent.

| | | |
|---|---|---|
| Shrubs | | 30-40 |
| CORA | Blackbrush | 1-10 |
| EPNE | Nevada mormontea -- | |
| EPTO | Torrey mormontea -- -- | 1-10 |
| EPVI | Green mormontea -- | |
| ATCA2 | Fourwing saltbush | 2-4 |
| GUSA2 | Broom snakeweed | 2-4 |
| ARFI2 | Sand sagebrush | 1-3 |
| GRSP | Spiny hopsage | 1-3 |
| EULA5 | Winterfat | 1-2 |
| SSSS | Other shrubs | 3-8* |
| CHNA2 | Rubber rabbitbrush | |
| CHVI8 | Douglas rabbitbrush | |
| ERMI4 | Slenderbush eriogonum | |
| LEFR2 | Desert pepperweed | |
| OPPO | Plains pricklypear | |
| QUUN | Wavyleaf oak | |
| TESP2 | Spiny horsebrush | |

*Allow no more than 1 percent of each species in this group for a maximum of 8 percent.

c. A few scattered Utah juniper occur on this ecosystem.

d. The vegetative ground cover is 15 to 20 percent.

e. Species that may invade this plant community are halogeton, mustards, Russian thistle and cheatgrass.

f. Vegetation, soils or other features which are particular to <u>other</u> survey areas where this site has been mapped:

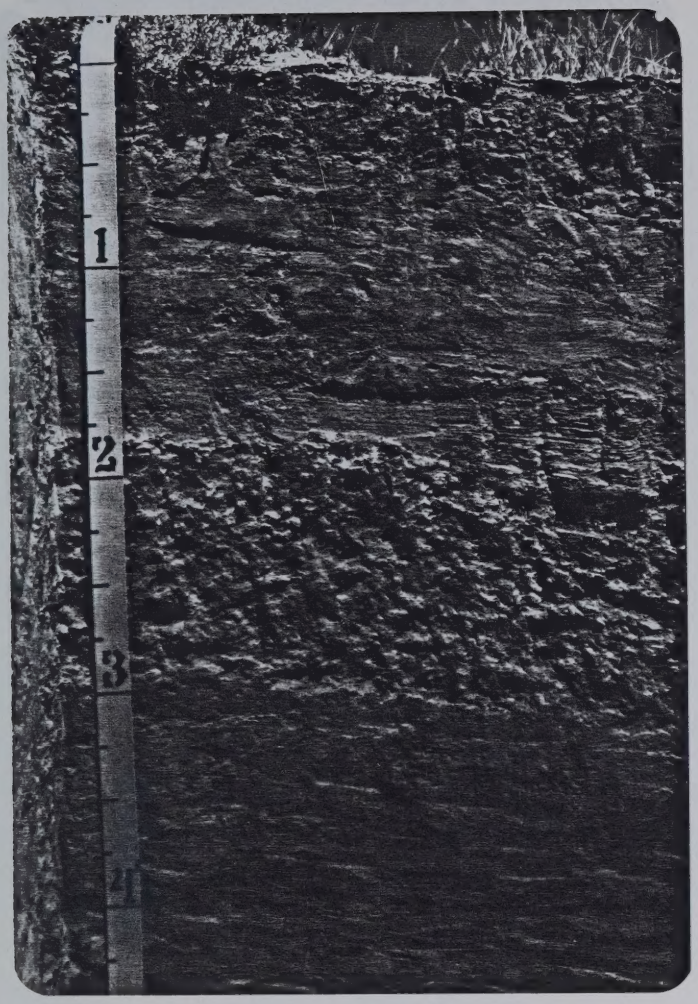
4. Total Annual Production

| | Kilograms/Hectare (Air Dry) | Pounds/Acre (Air Dry) |
|---|---|---|
| Favorable years | 925 | 800 |
| Average years | 700 | 600 |
| Unfavorable years | 460 | 400 |

5. Soils

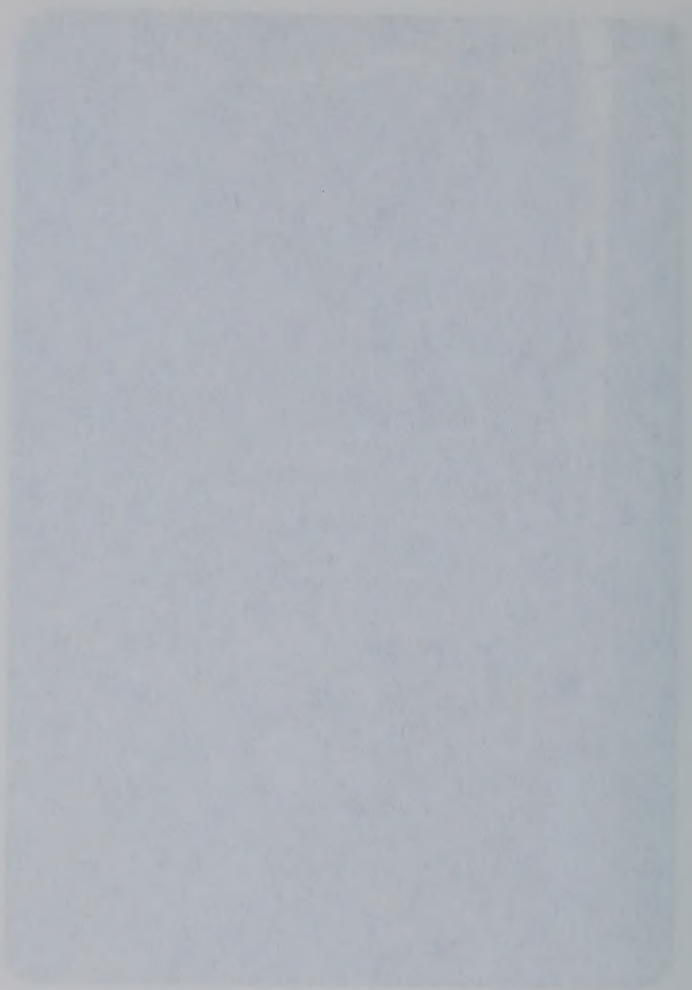
a. These soils are very deep, well drained fine sandy loams. There are lime accumulations in lower profile. They have good water holding capacity and water erosion is limited to areas with insignificant vegetative cover.

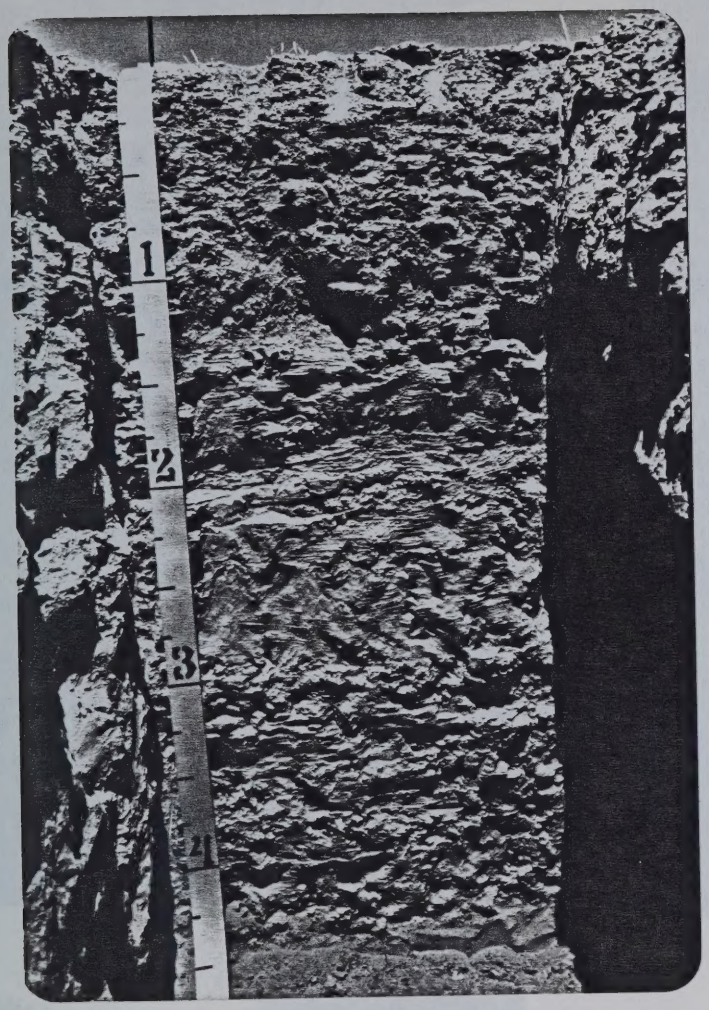
| b. Soils | Mapping Units |
|---|---|
| Anasazi, fine sandy loam, dry, 2 to 10 percent slopes | 101,102,103,105,108,111, 112,116 |
| Anasazi, fine sandy loam, dry, 10 to 20 percent slopes | |
| Begay, fine sandy loam, 2 to 10 percent slopes | |
| Begay, fine sandy loam, 10 to 20 percent slopes | |
| Factory, fine sandy loam, 2 to 10 percent slopes | |
| Palma, fine sandy loam, 2 to 10 percent slopes | |



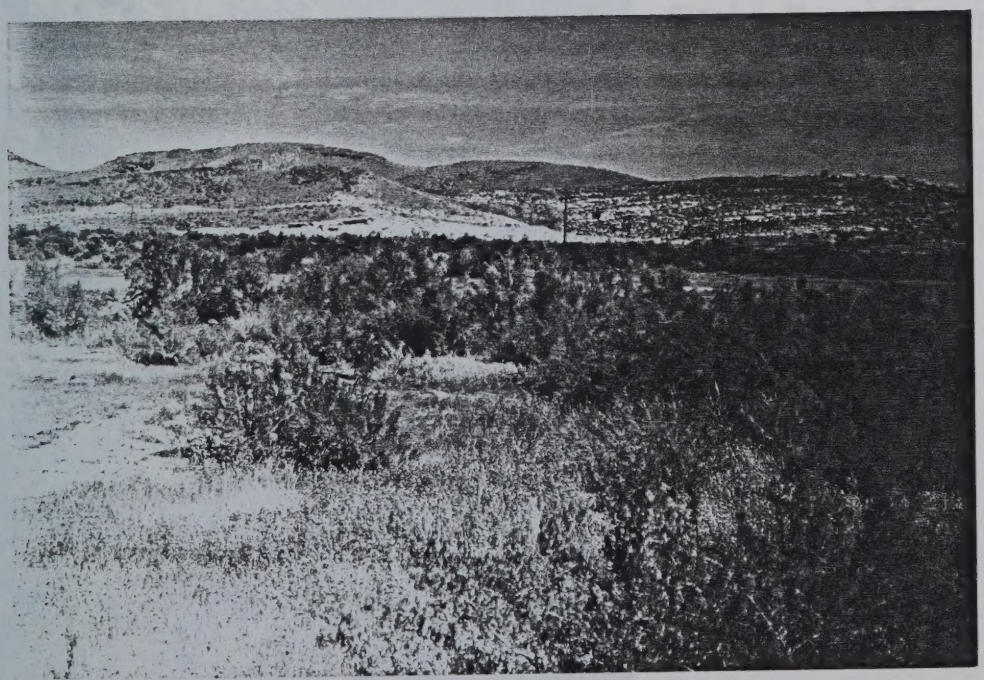
Typic Torrifluvent, dry, 0-3 percent slopes, (45 percent mapping unit 7, 8, 9, 23; S.W. ¼, S.E. ¼, Sec. 26, T. 21 S., R. 19 E., Pit 43)

1. Alkali fan

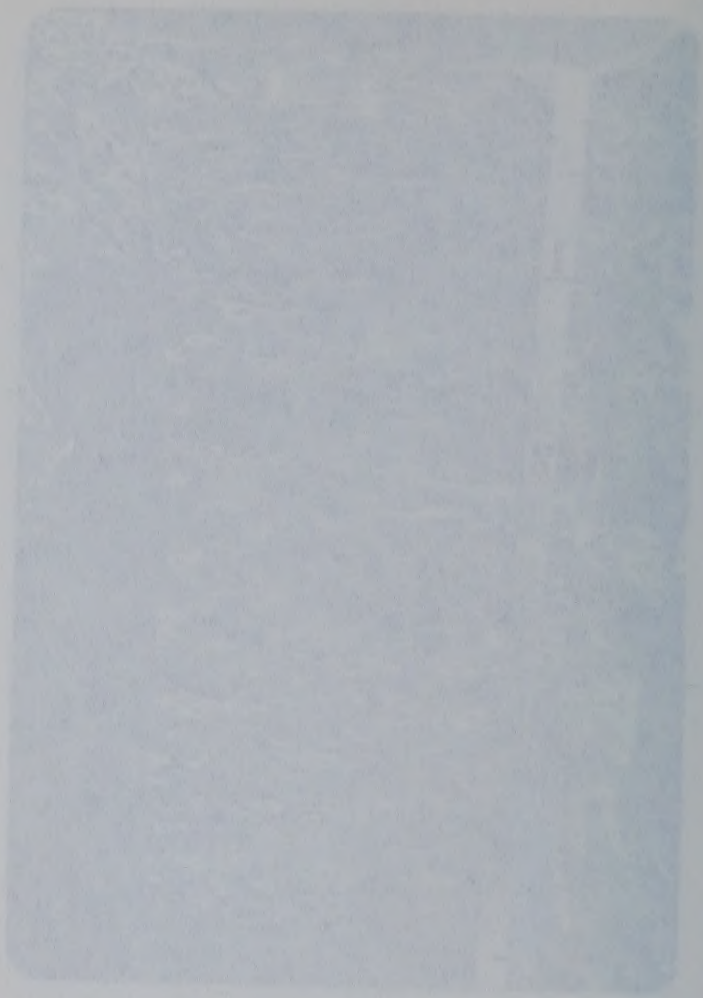


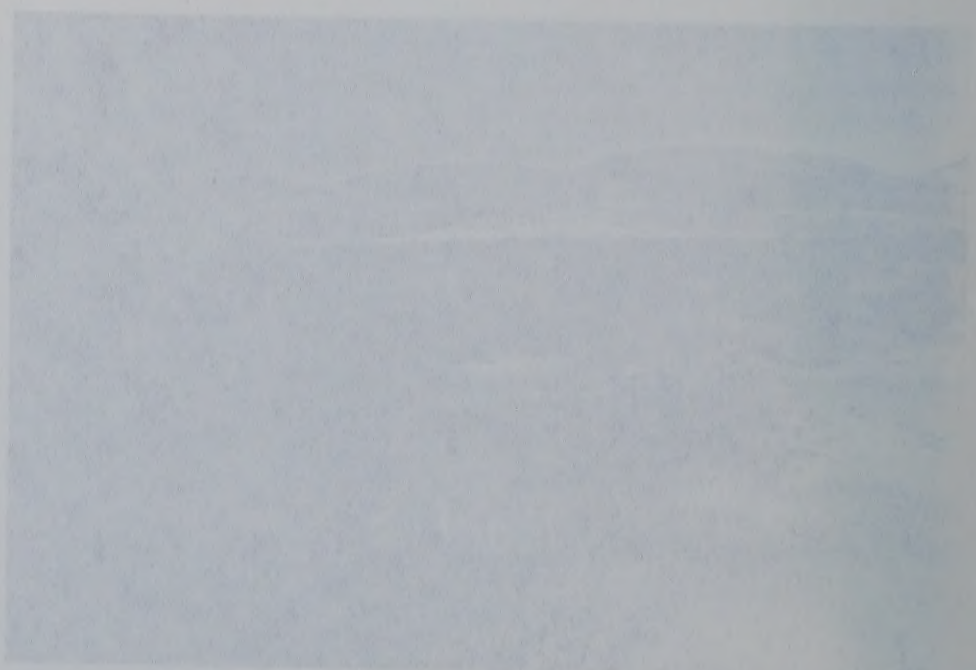


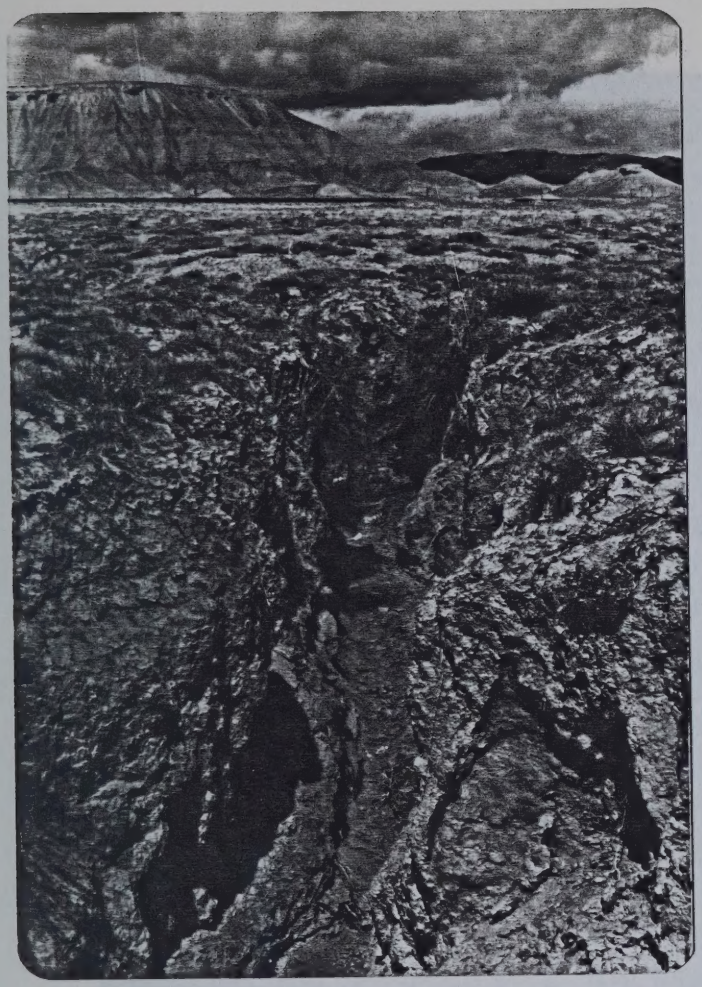

Typic Torrifluvents, 0 to 3 percent slopes, (30 percent mapping unit 7, 8, 9, 23; N.W. ¼, S.W. ¼, Sec. 27, T. 22 S., R. 19 E., Pit 63)

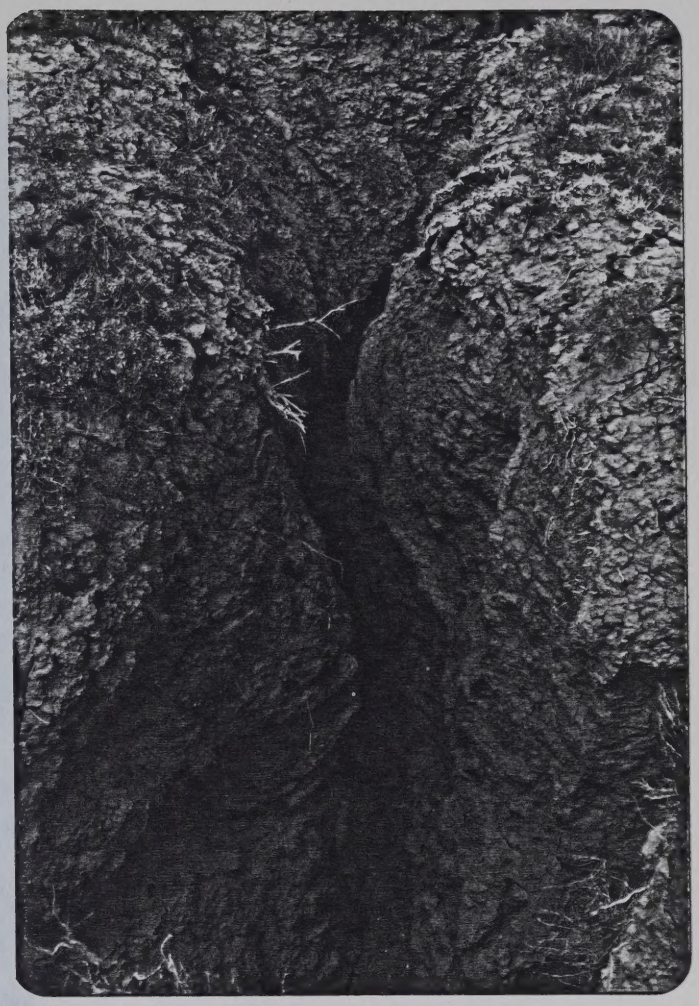


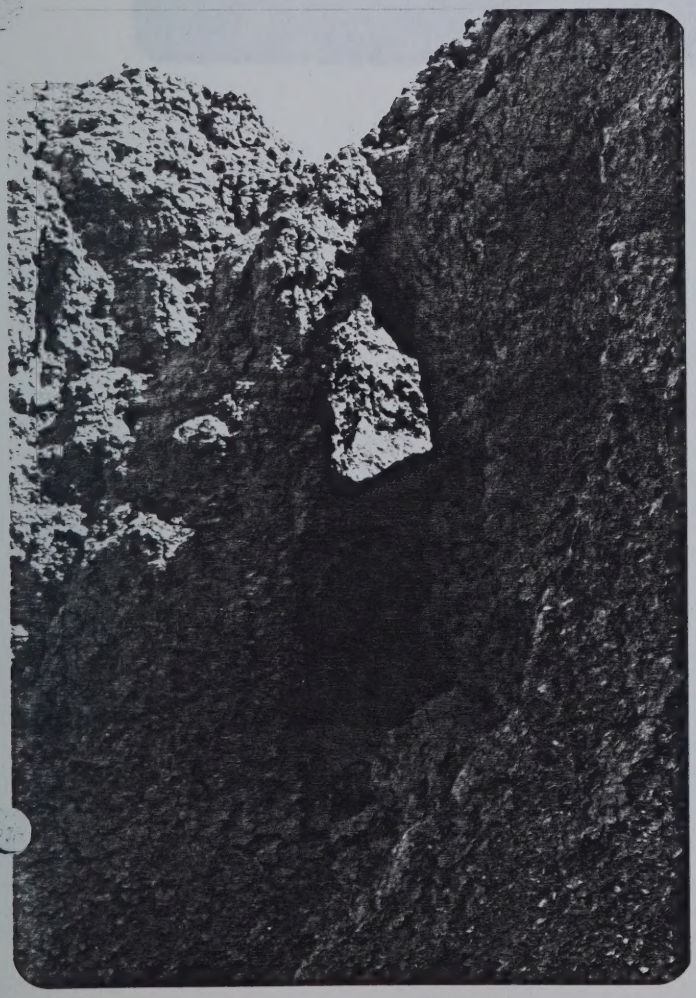
2. Alkali flat



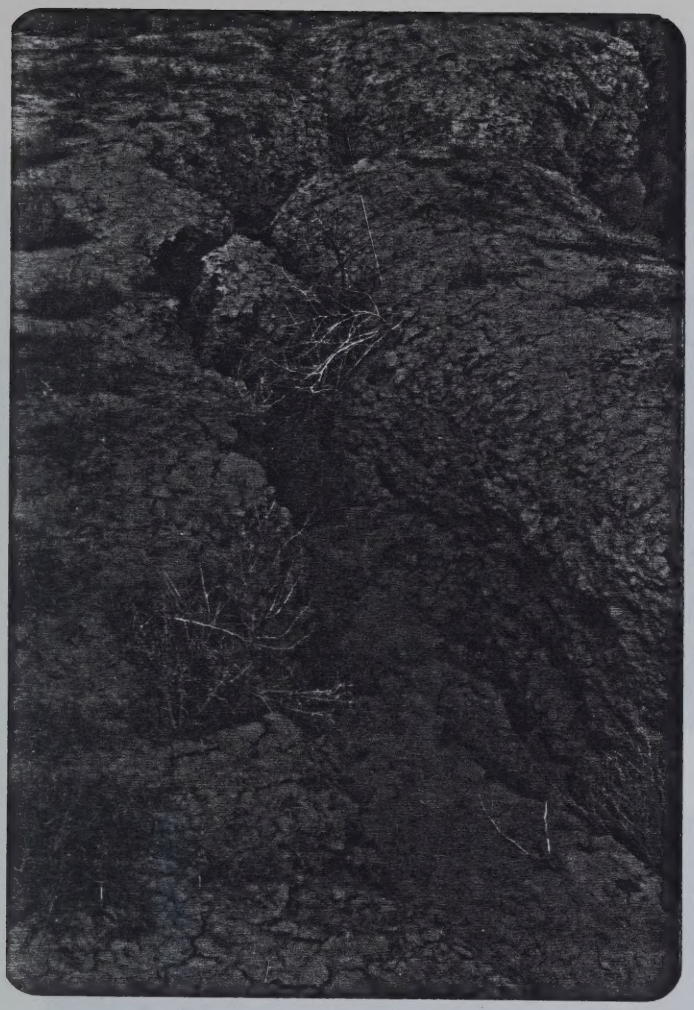






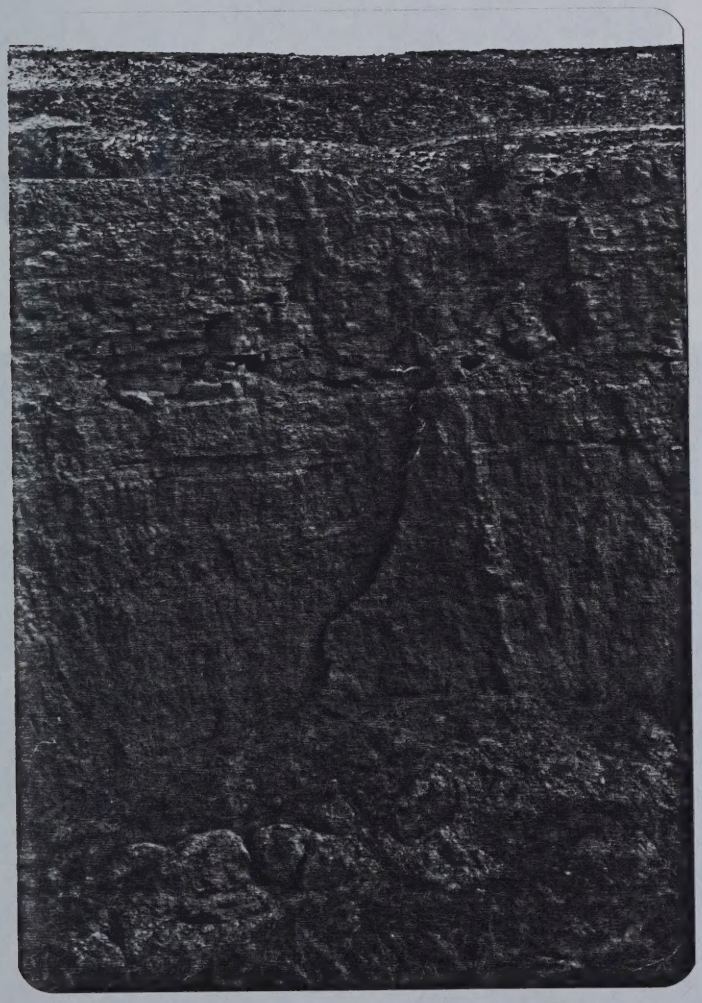


Gully and pipeing erosion on silty
Typic Torrifluvents

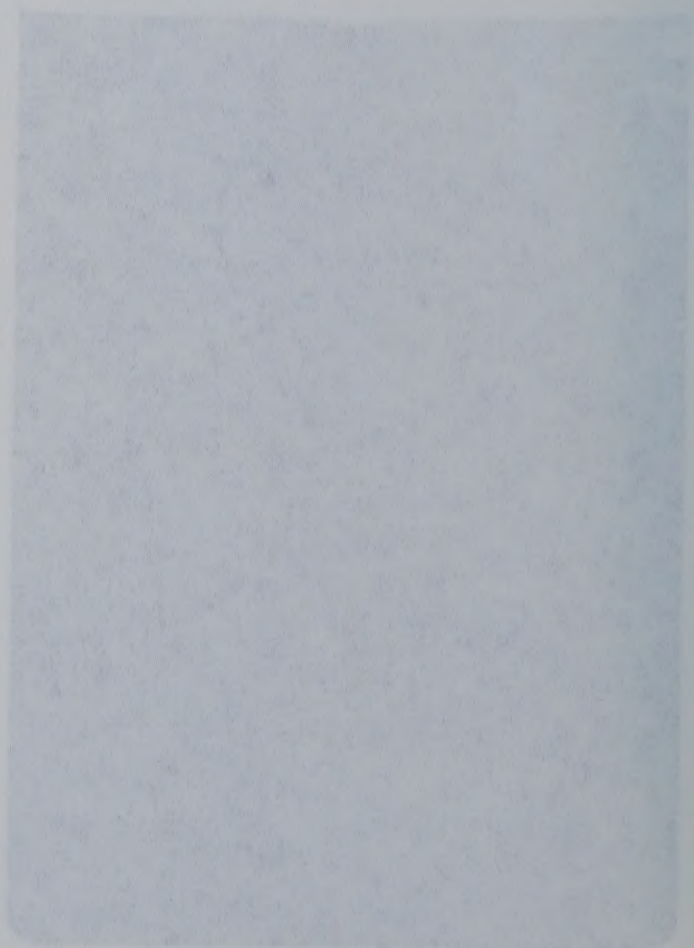


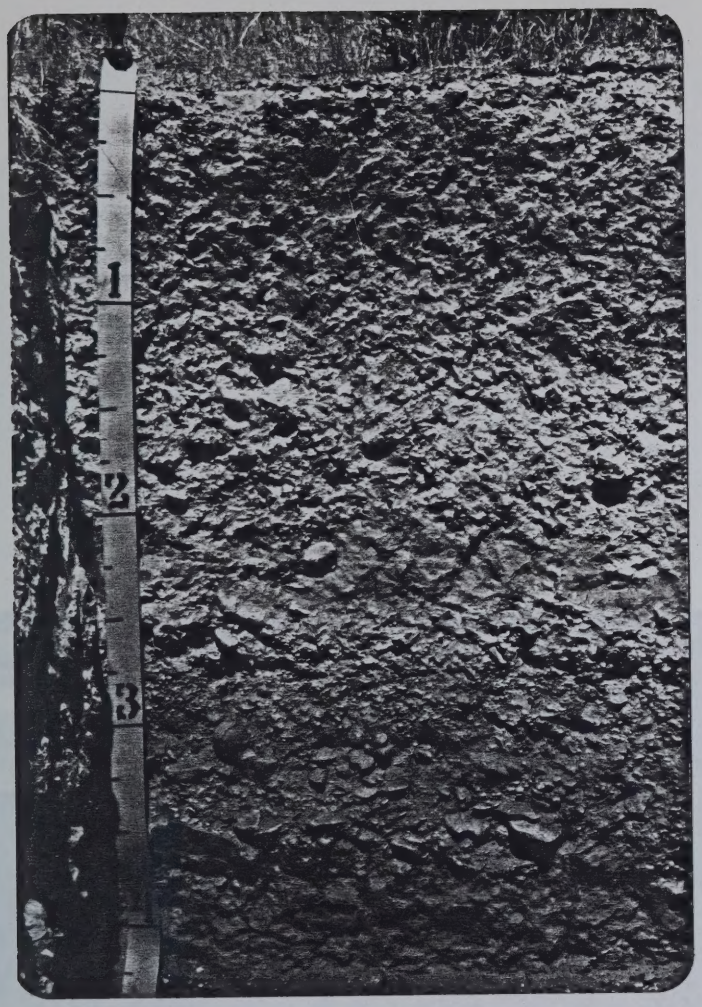
Closeup of gulley showing "pipeing" of soil.

Deeply incised gully in silty soil.



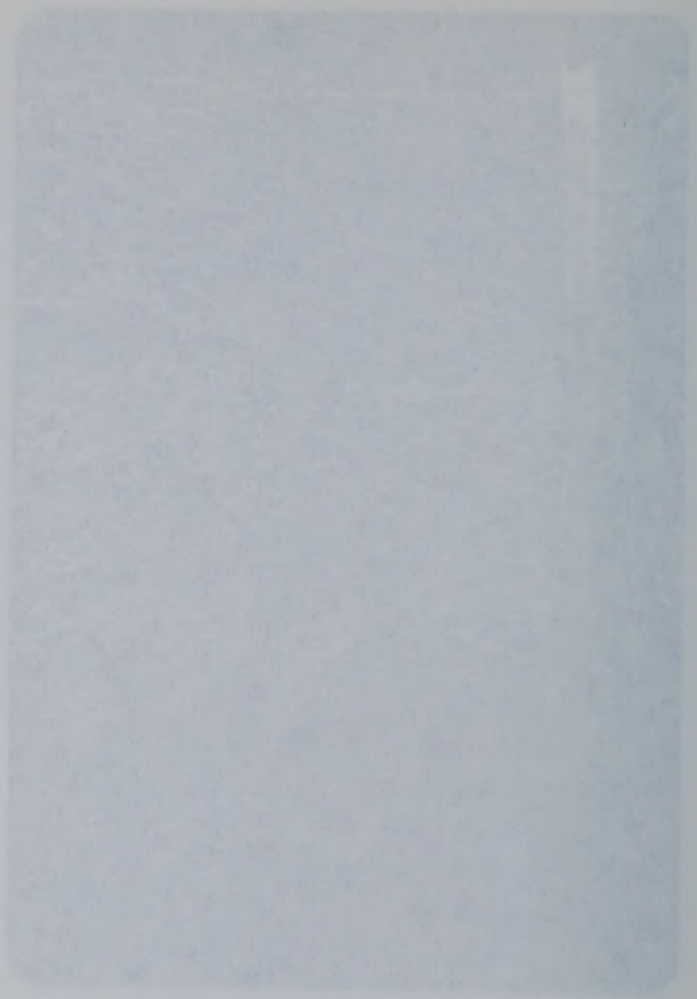
Deeply incised gully in loam, sandy loam, Typic Torrifluvents dry

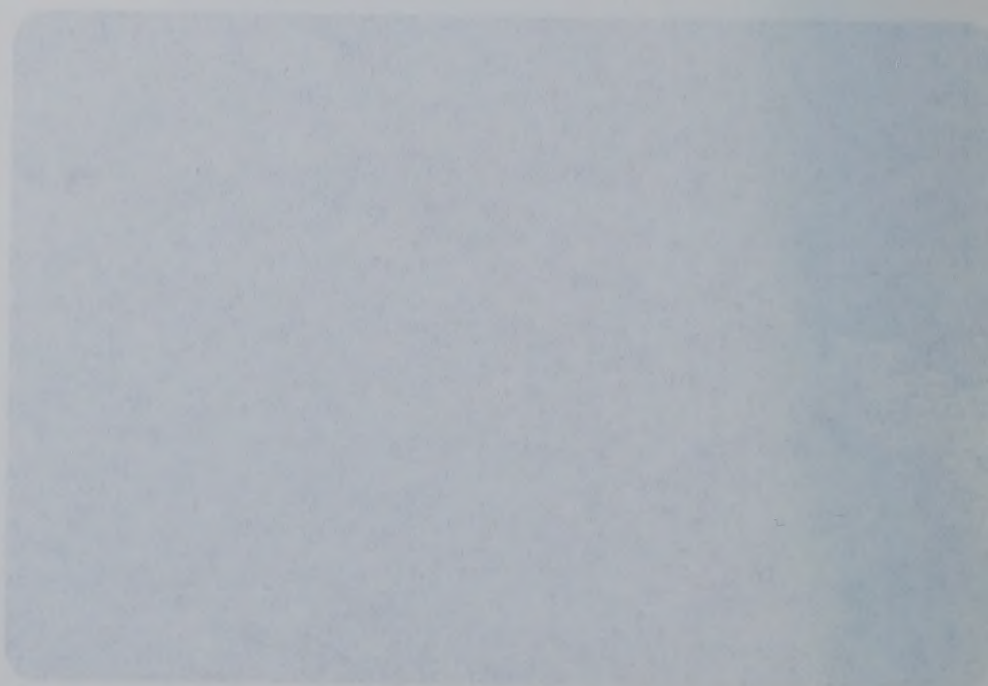


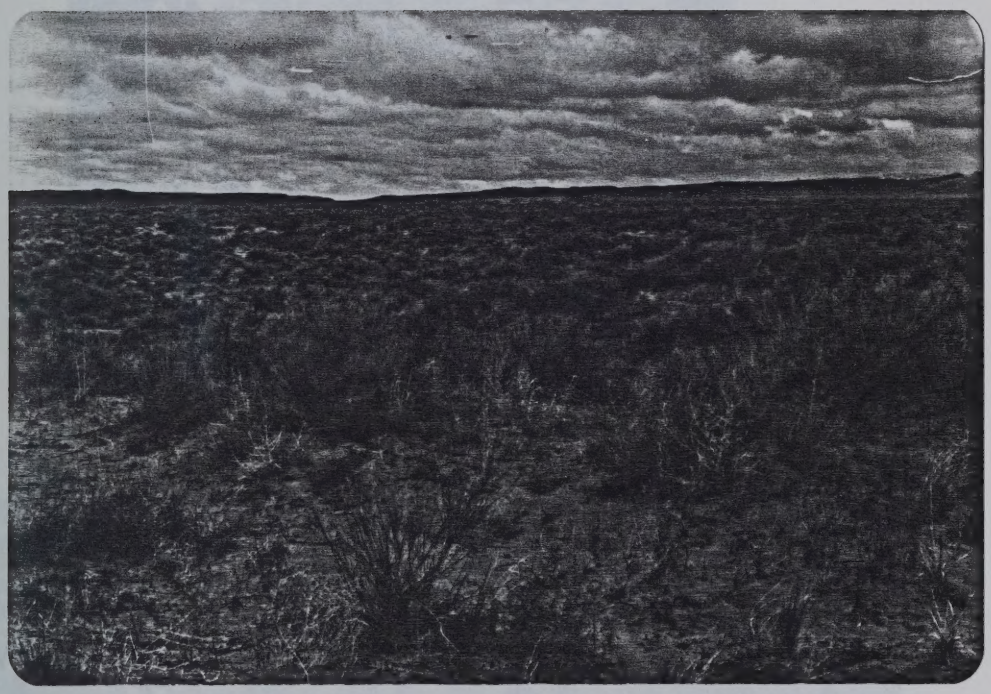



Mesa fine sandy loam,
2 to 6 percent slope
(Mapping unit 1, S.W. ¼,
S.E. ¼, Sec. 32, T. 21 S.,
R. 20 E., Pit 20)

3. Desert loam
Pit 20

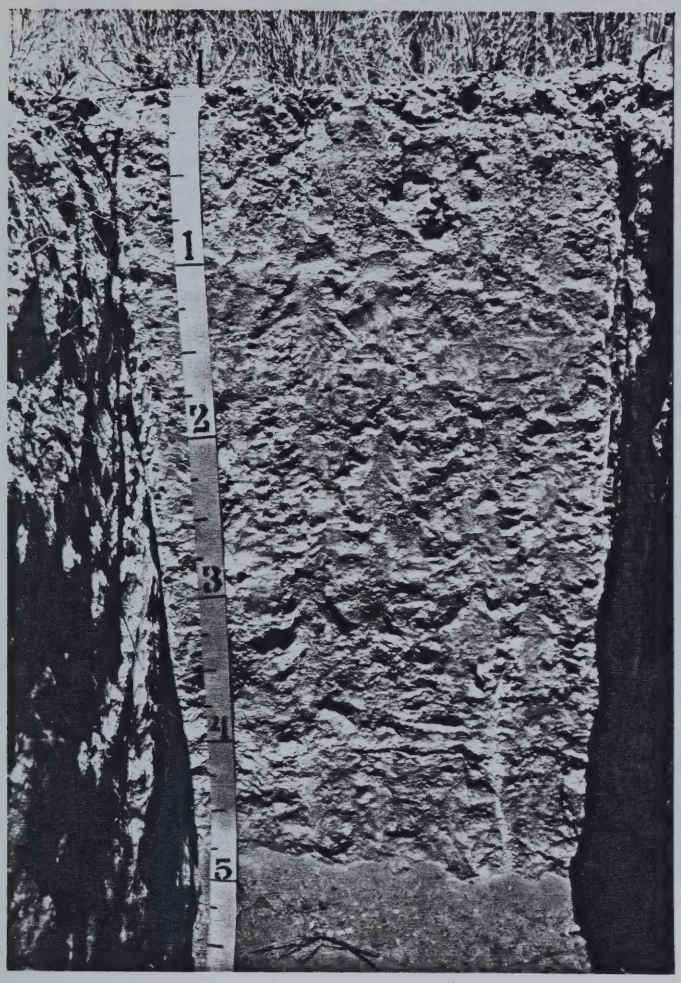




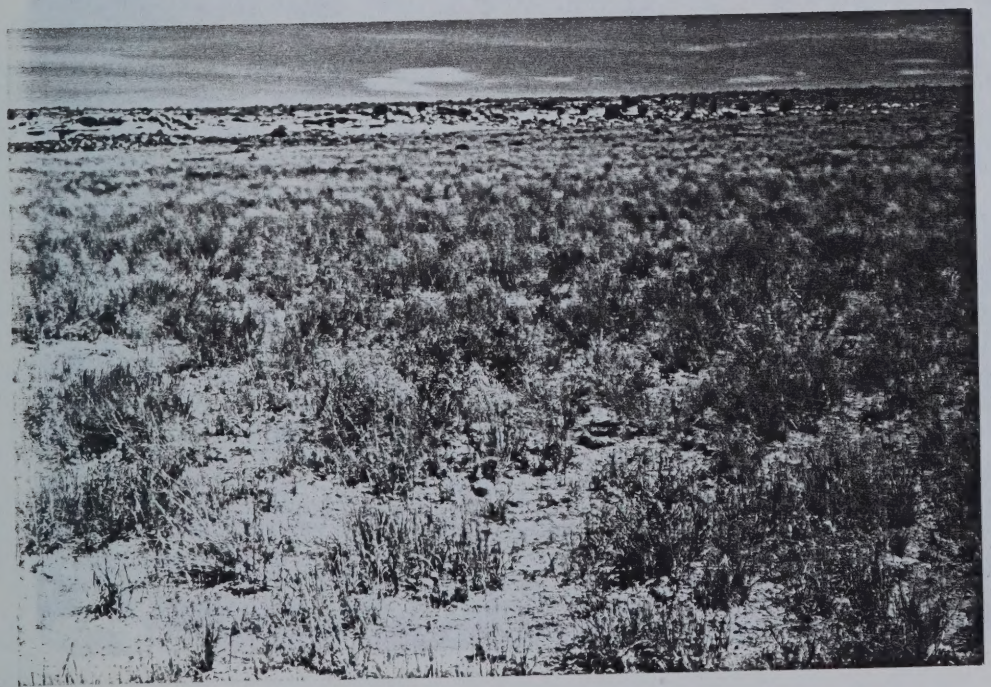


Sheppard fine sand, hummocky, 2 to 10 percent slopes

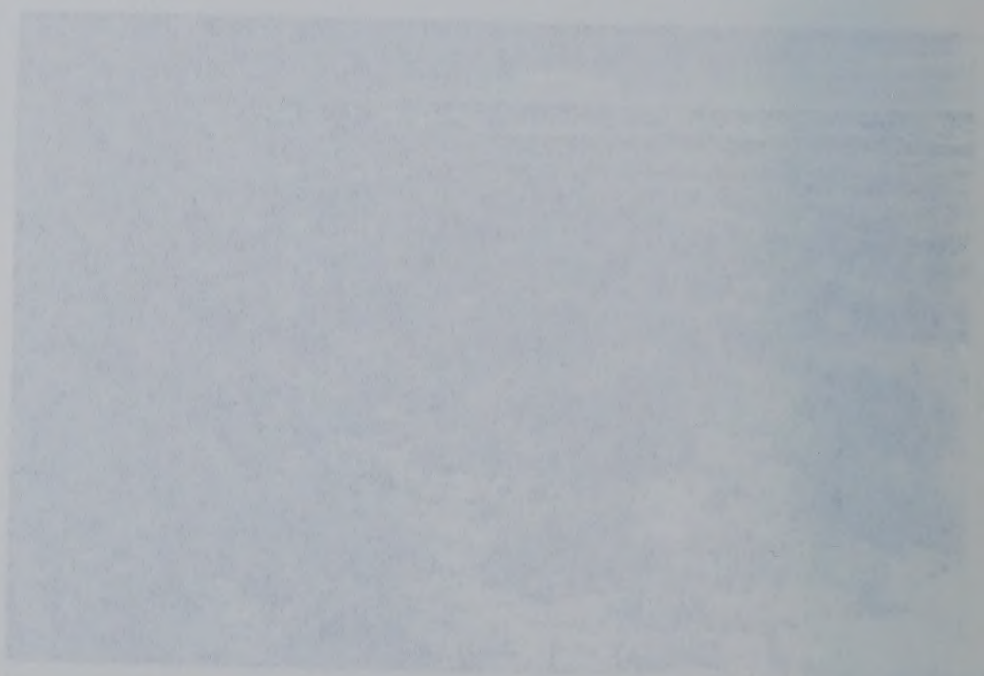
5. Desert sand

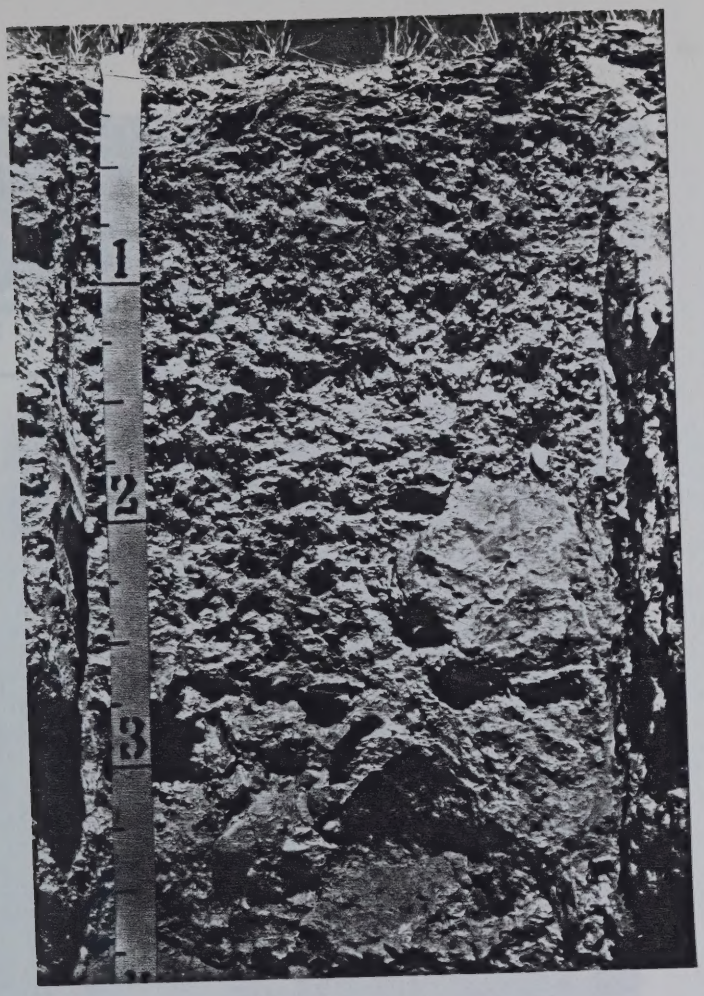


Monue fine sandy loam,
3 to 10 percent slopes,
(N.W. ¼, N.E. ¼, Sec. 26,
T. 22 S., R. 21 E., Pit 2)



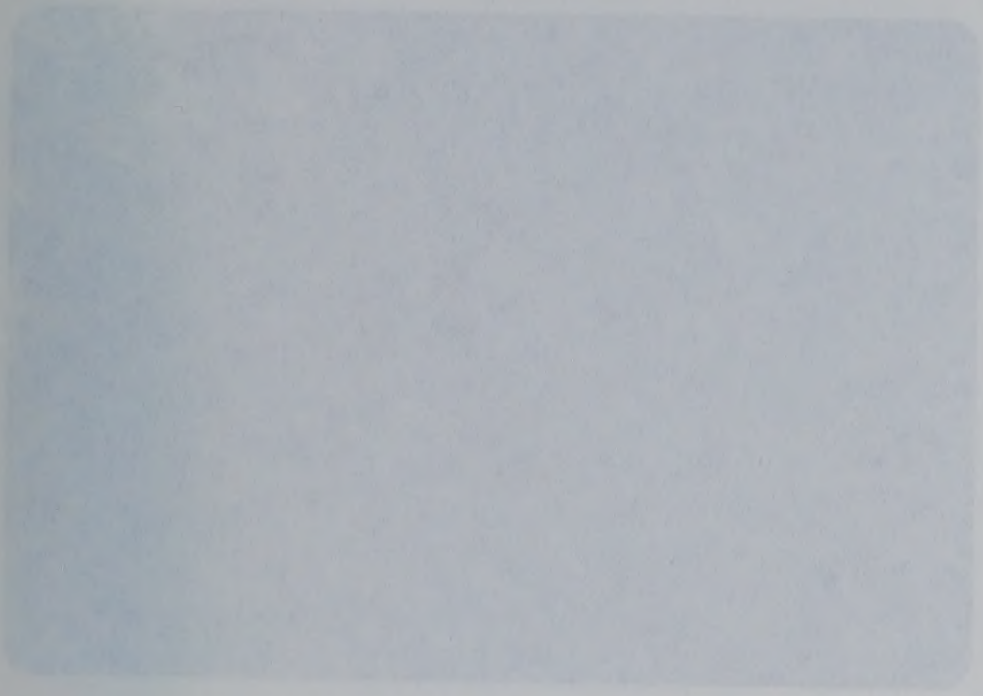
5. Desert sandy loam

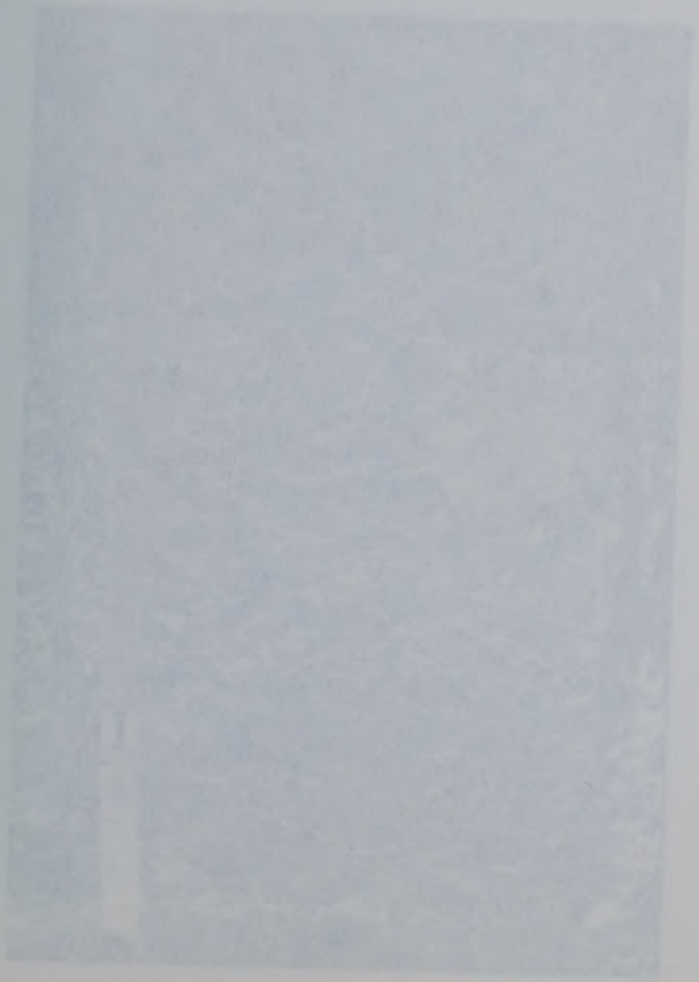


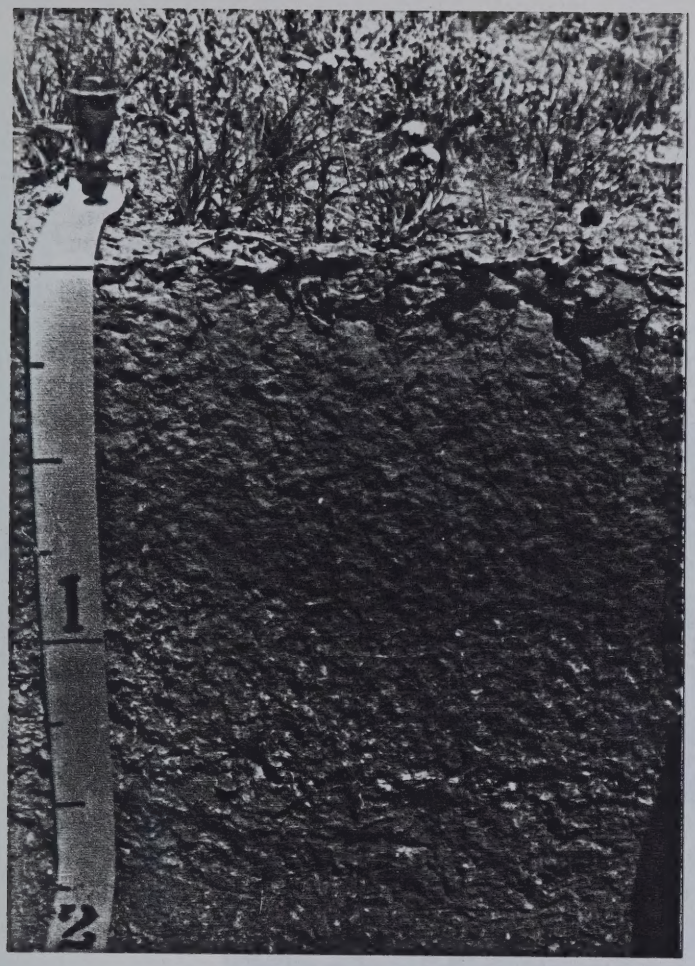


Trook fine sandy loam, 2 to 6 percent slopes, (10 percent mapping unit 1, 30 percent mapping unit 10; N.E. ¼, S.E. ¼, Sec. 5, T. 22 S., R. 19 E., Pit 46)

5. Desert sandy loam

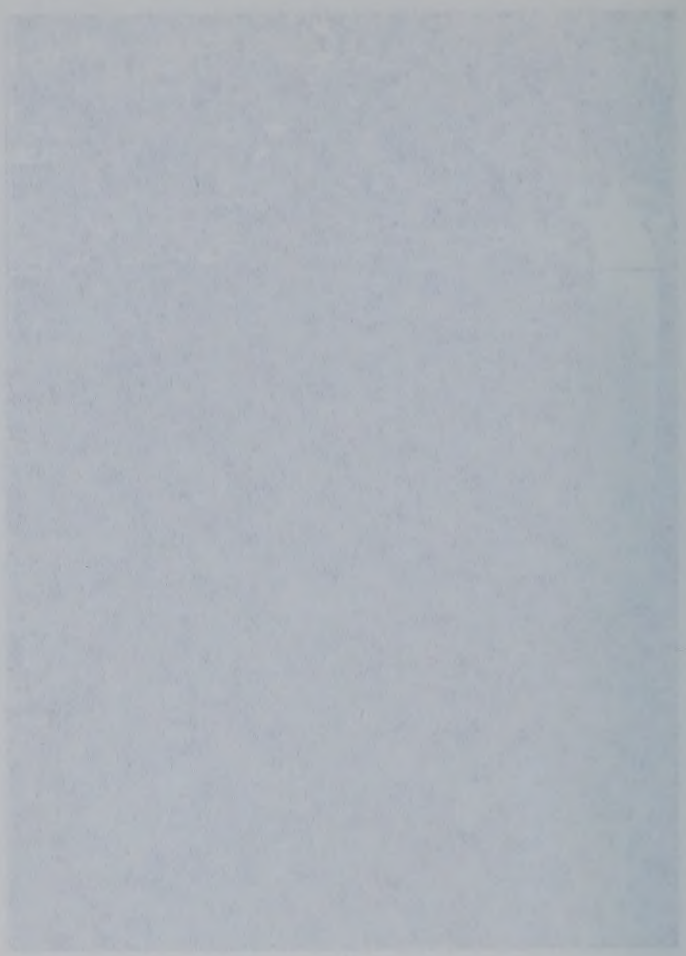


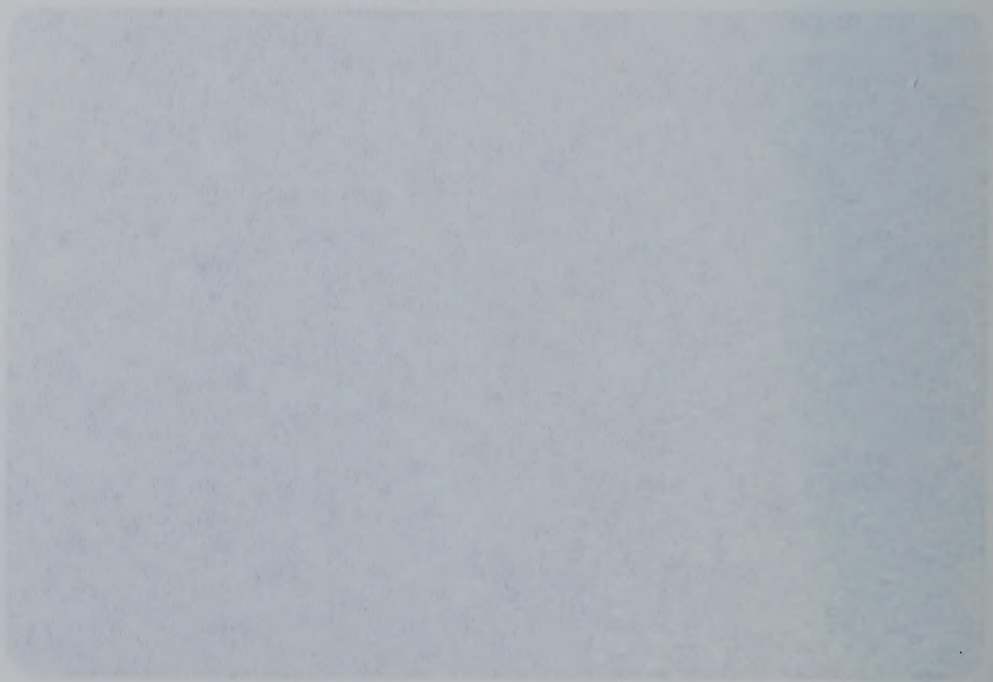




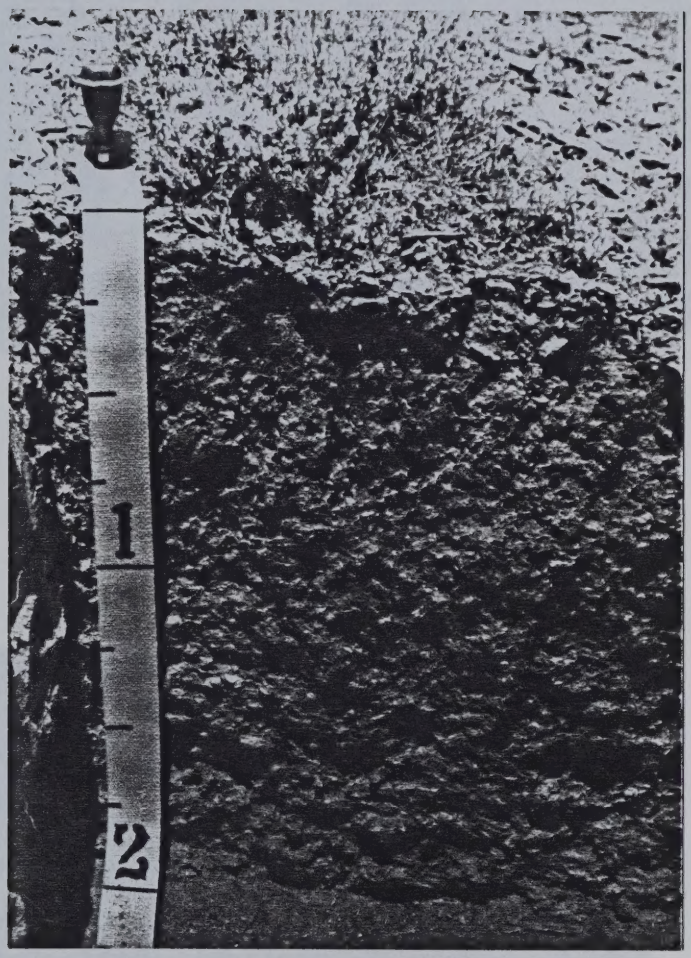

Blueflat loam, clayey substratum, 2 to 25 percent slopes, (N.E. ¼, S.W. ¼, Sec. 29, T. 22 S., R. 18 E., Pit 36)

7. Desert shallow clay



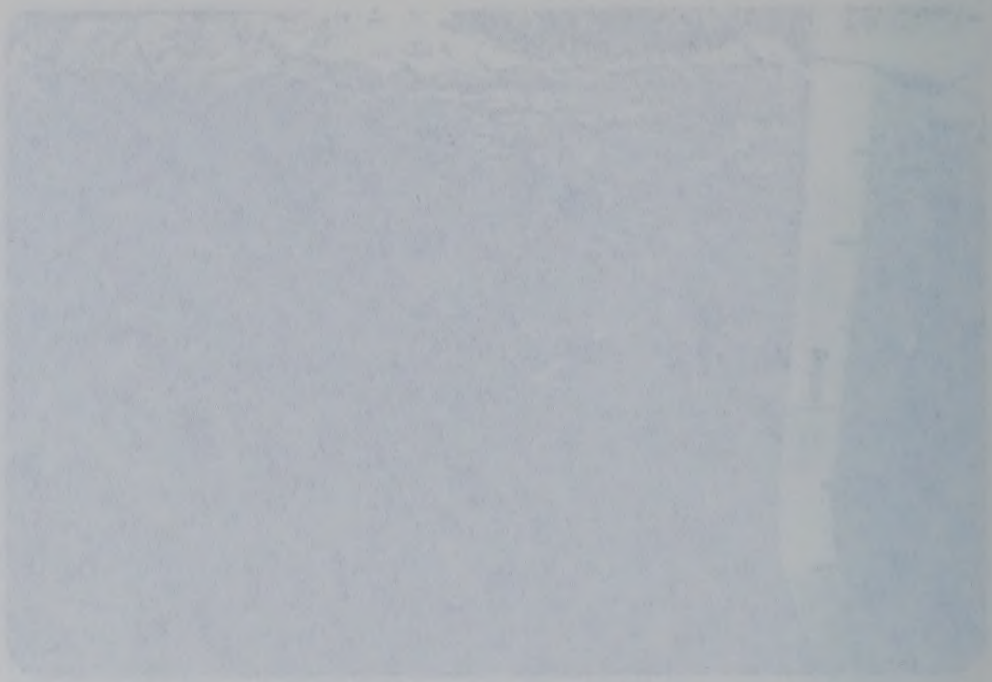


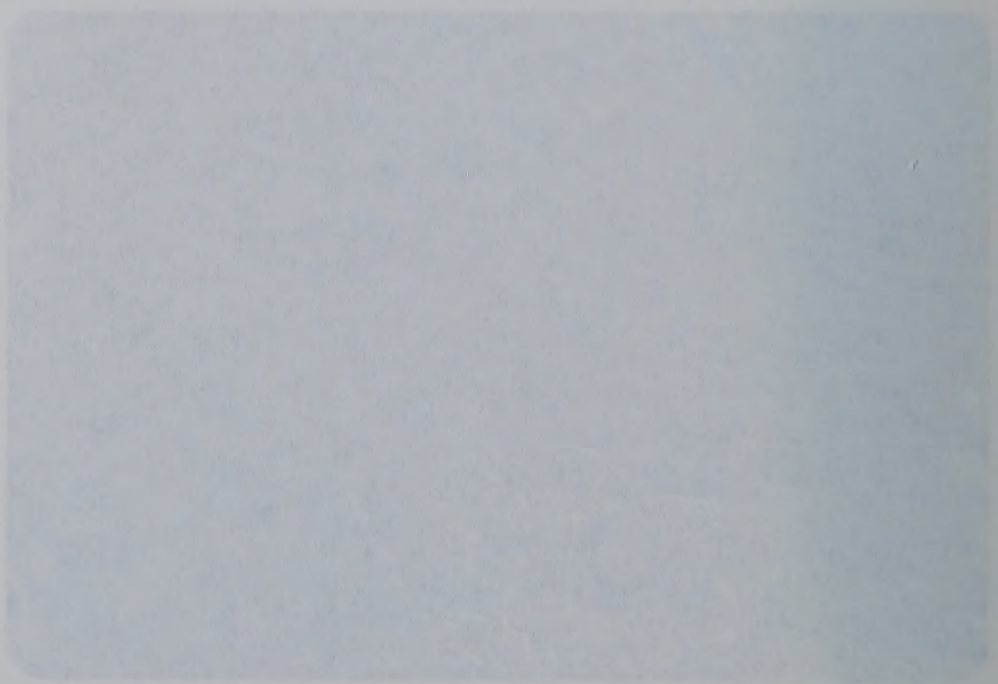
Blueflat, Pit 35

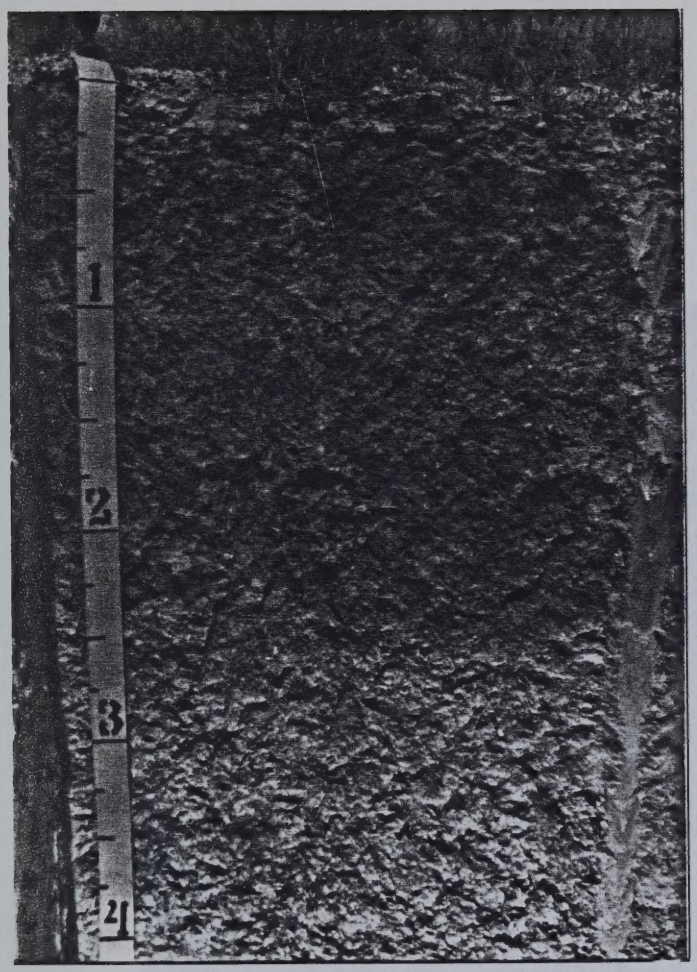


Chipeta silty clay loam, 1 to 10 percent slopes, (S.E. ¼, N.W. ¼, Sec. 10, T. 22 S., R. 21 E., Pit 74)

7. Desert shallow clay

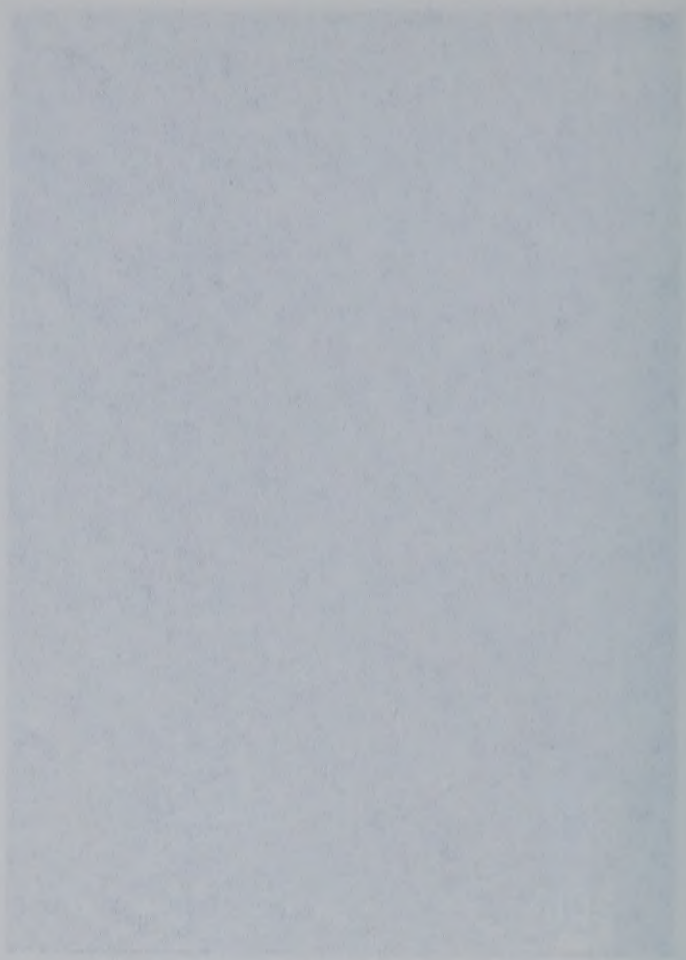


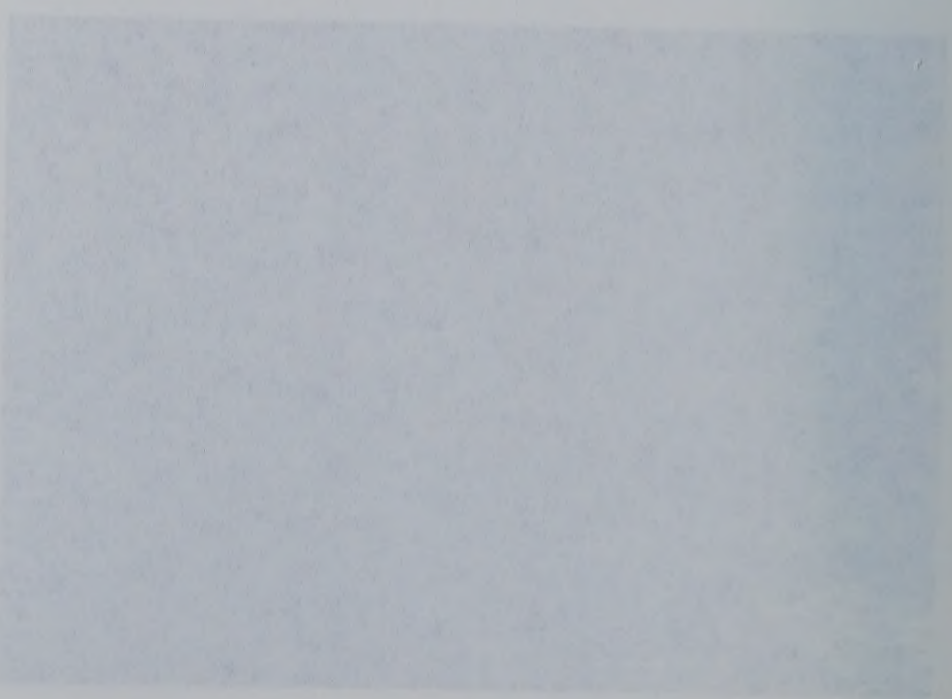




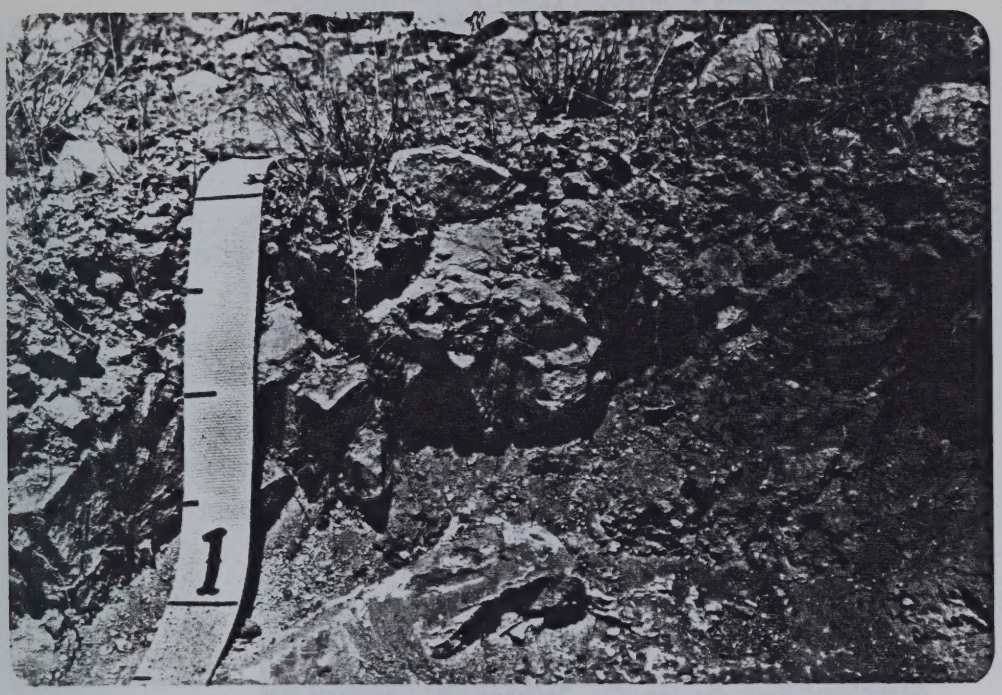

Sagers silt loam, 1 to 3 percent slopes, (75 percent mapping unit 19, S.W. ¼, S.E. ¼, Sec. 3, T. 22 S., R. 21 E., Pit 16)

8. Desert clay



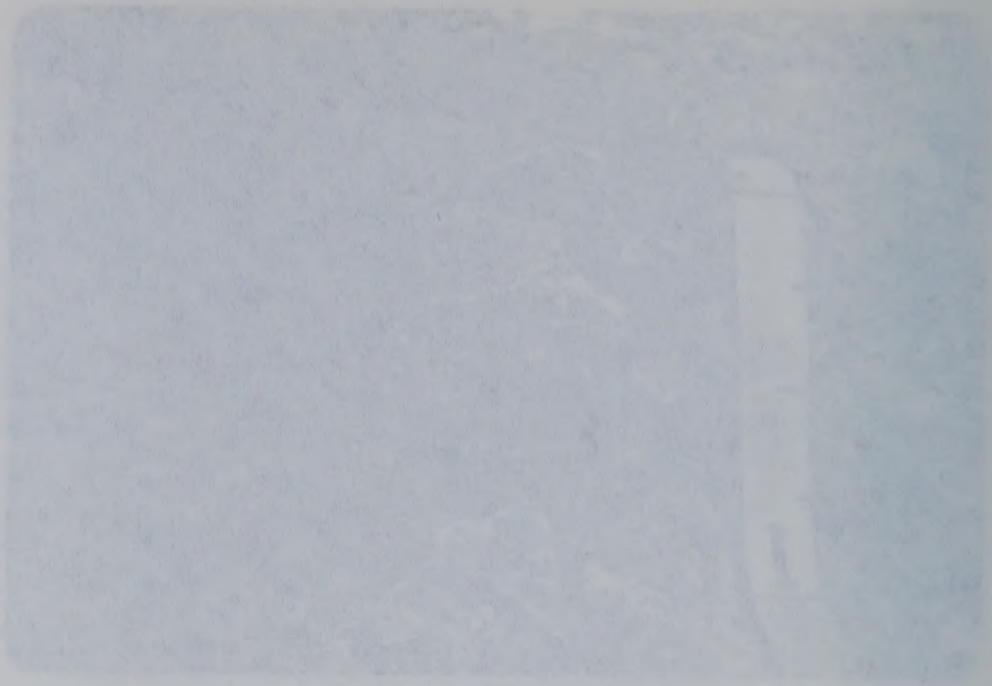


Soil similar to Sagers, Pit 15
(20 to 40 inches deep to shale)



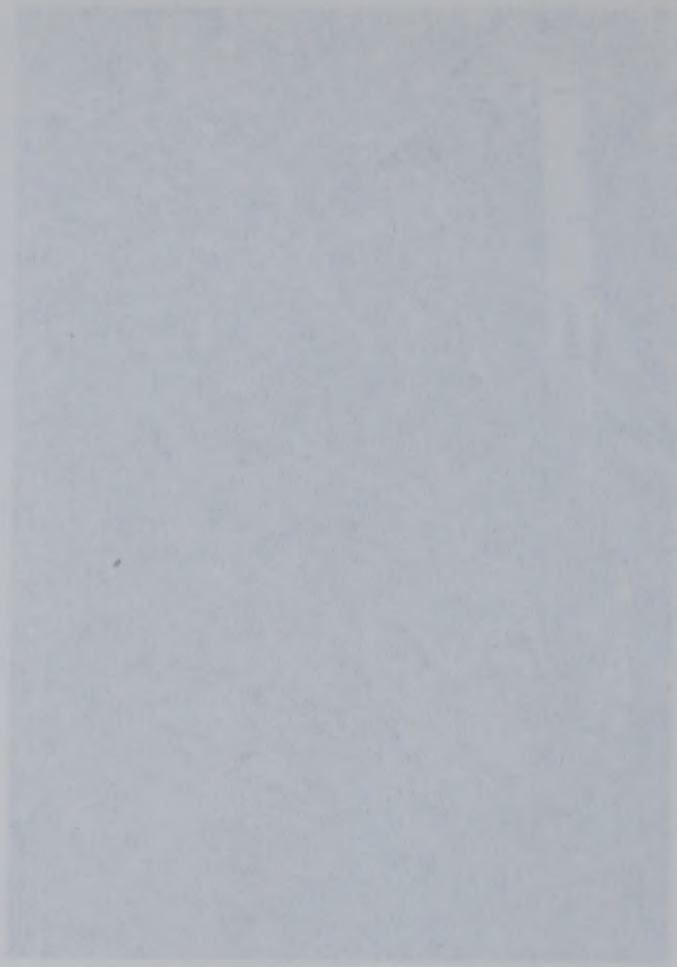
Valleycity very stony fine sandy loam, 8 to 25 percent slope (S.E. ¼, S.W. ¼, Sec. 22, T. 22 S., R. 19 E., Pit 49)

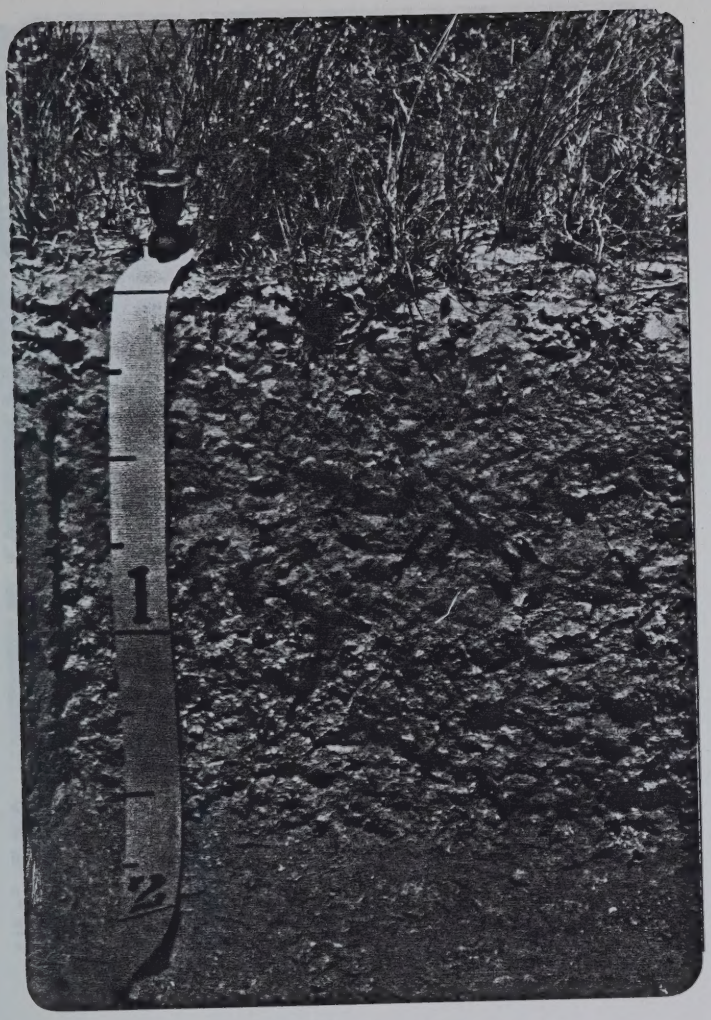
10. Desert shallow sandy loam



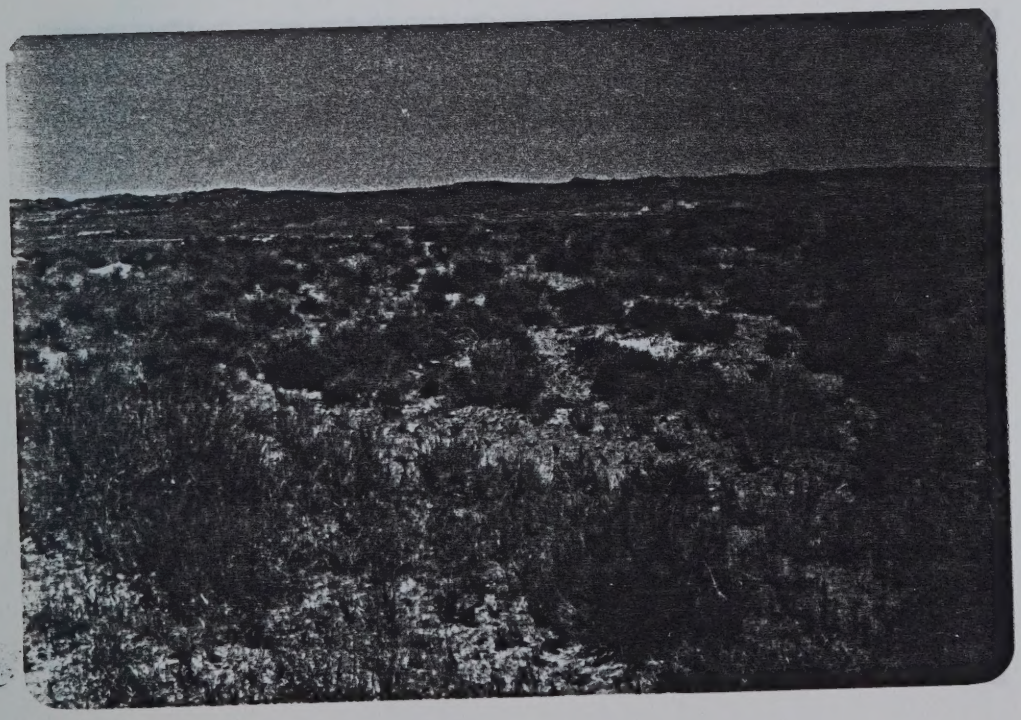
Valley clay (salt flat, Pit 50)

10. Desert shallow sandy loam

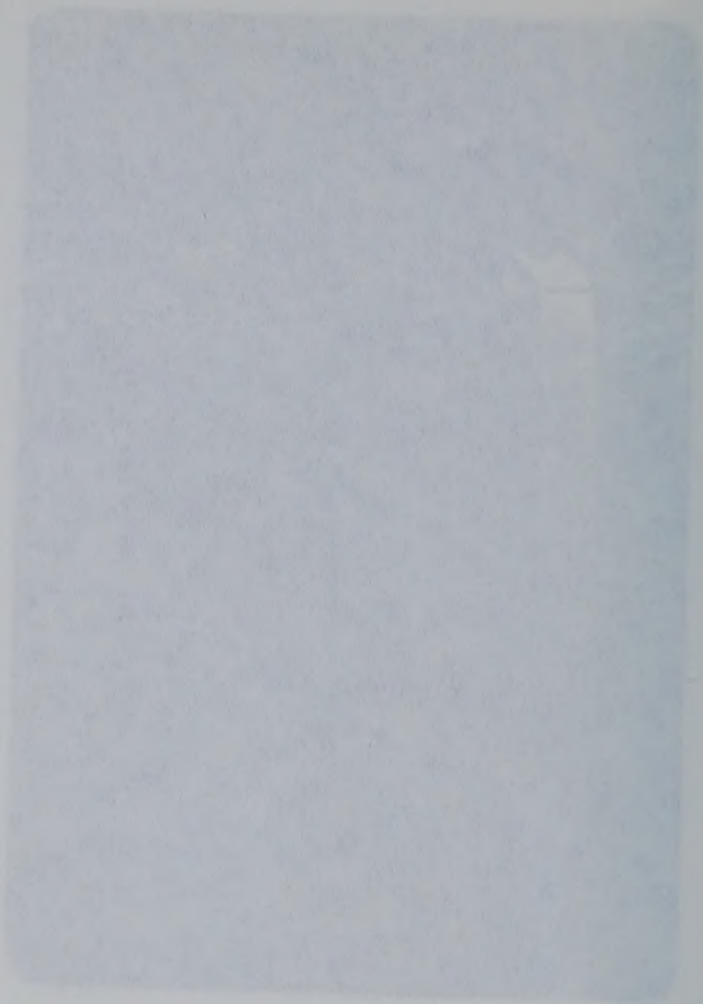


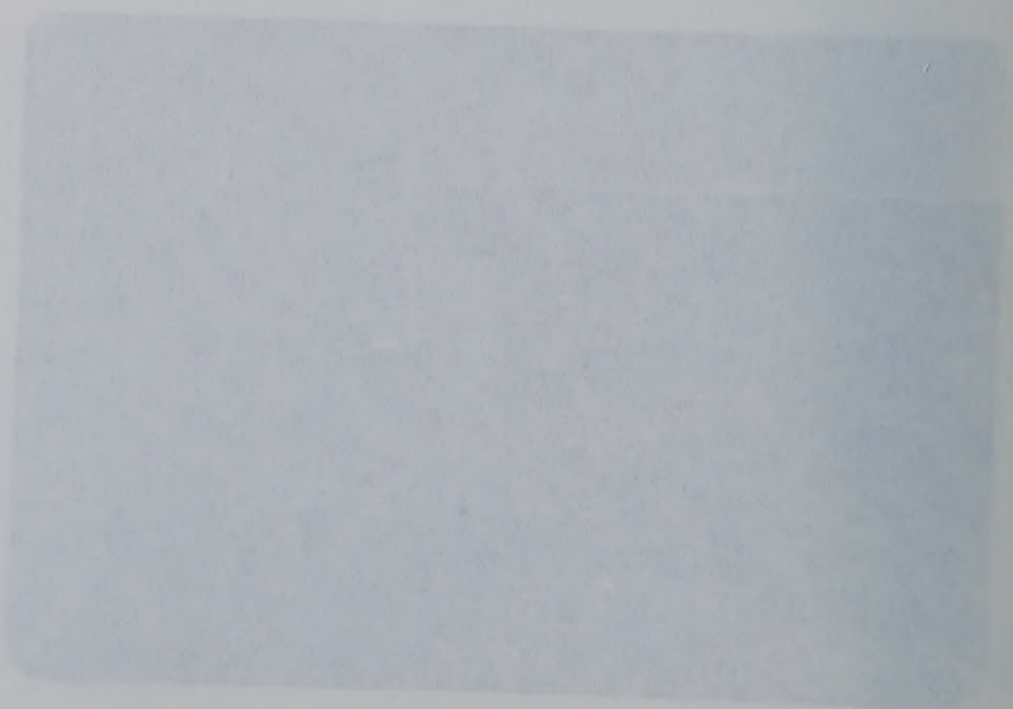


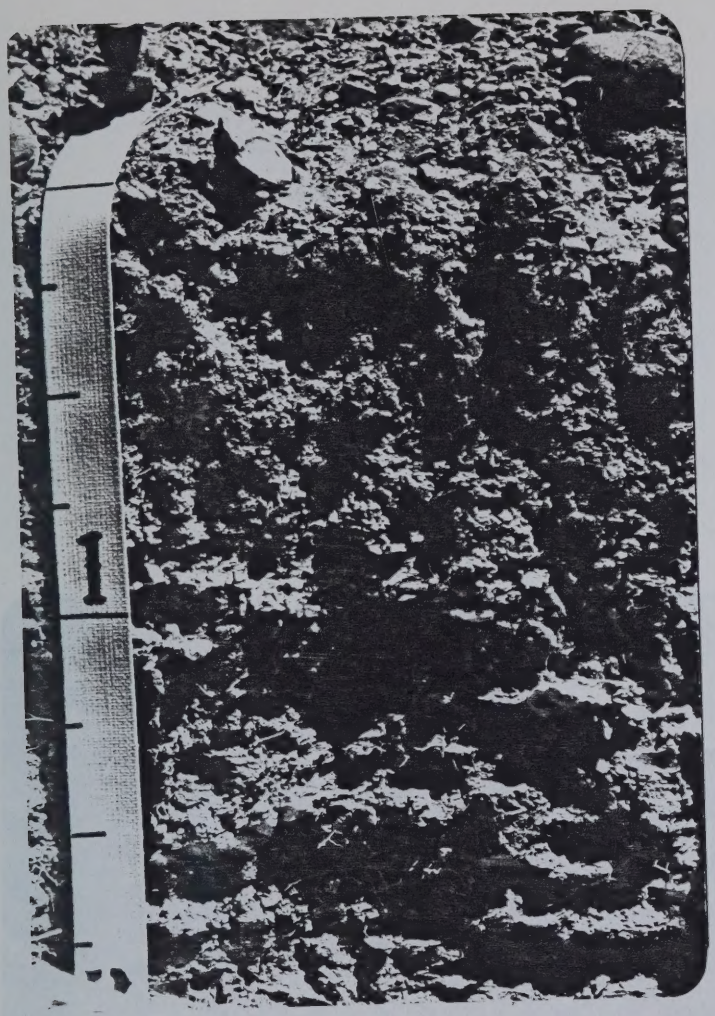

Moenkopie fine sandy loam,
3 to 10 percent slopes, (N.W. ¼,
S.E. ¼, Sec. 24, T. 22 S.,
R. 21 E., Pit 75)



10. Desert shallow sandy loam

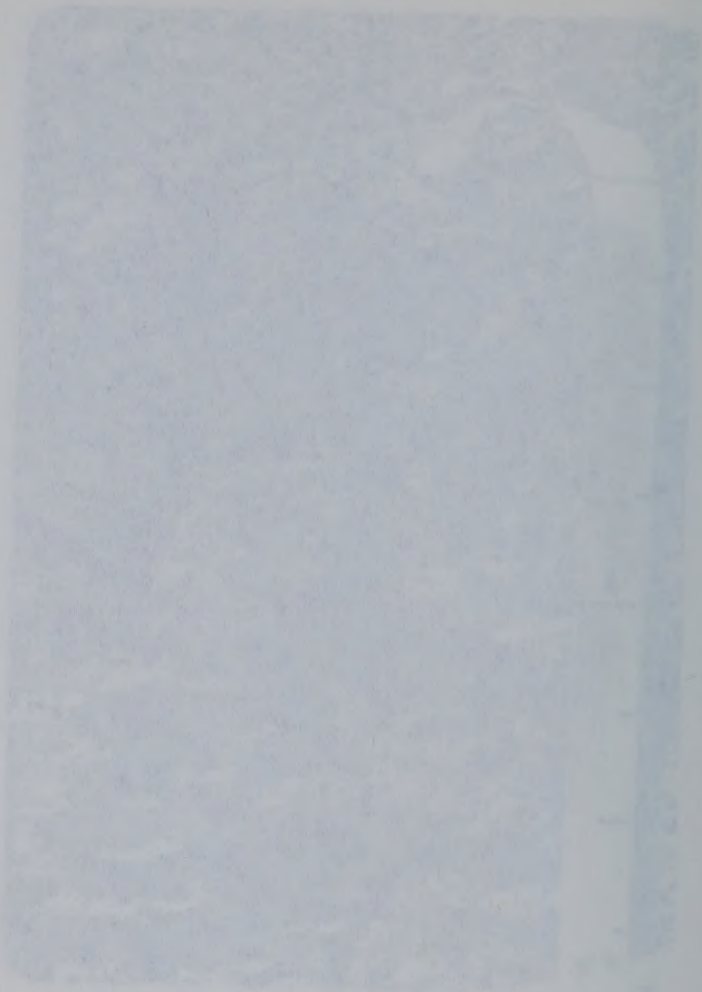


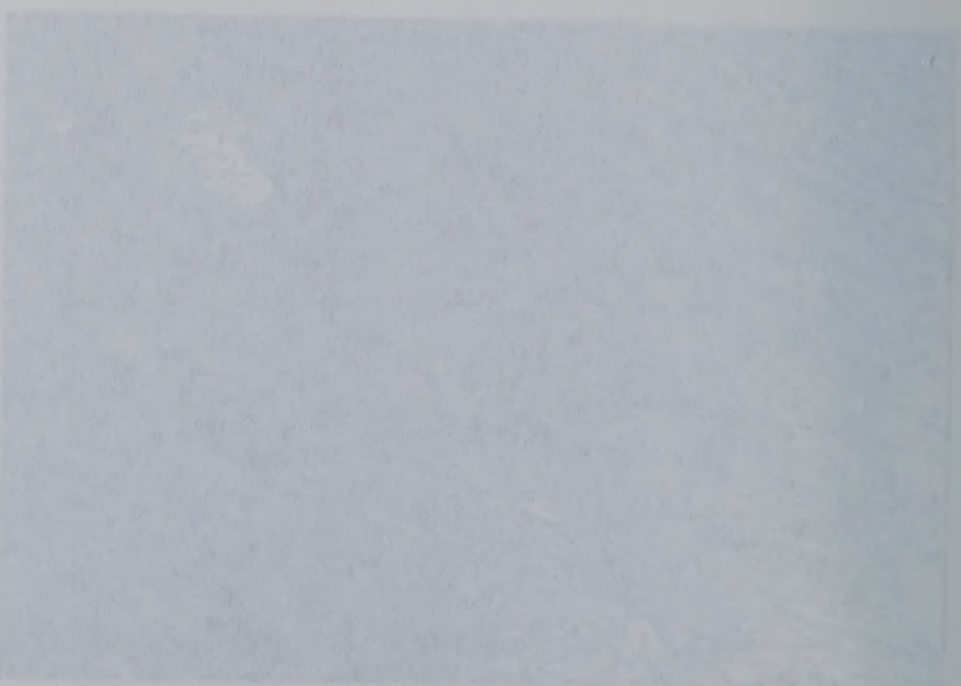




Ustic Torriorthents, dry, 30 to 50 percent slopes, (S.W. ¼, S.E. ¼, Sec. 32, T. 21 S., R. 20 E., Pit 21)

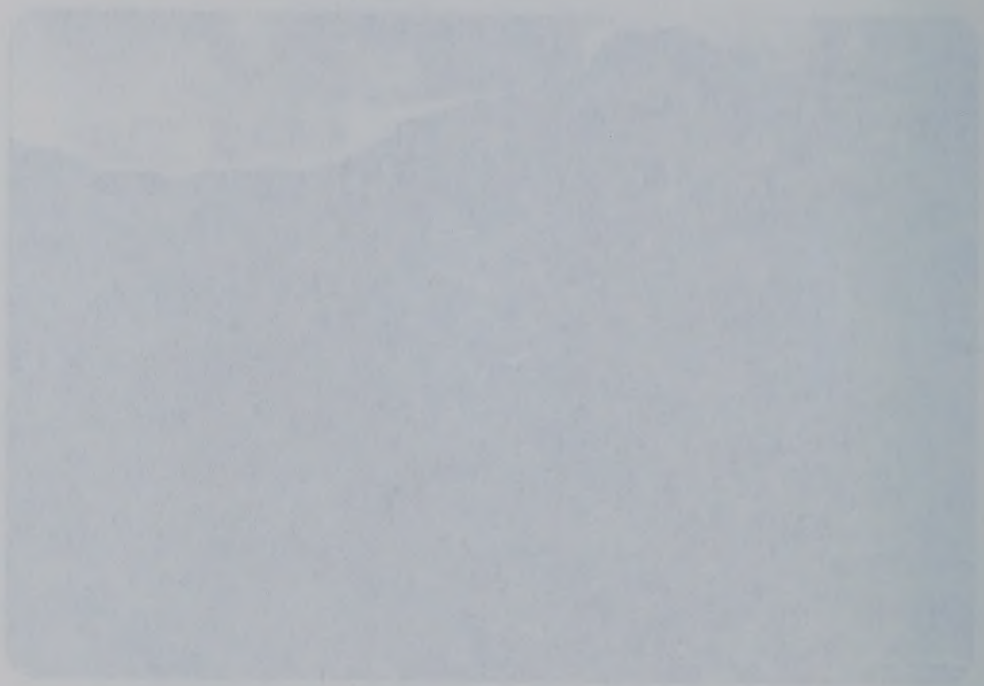
11. Semidesert shallow loam (Salina Wildrye)





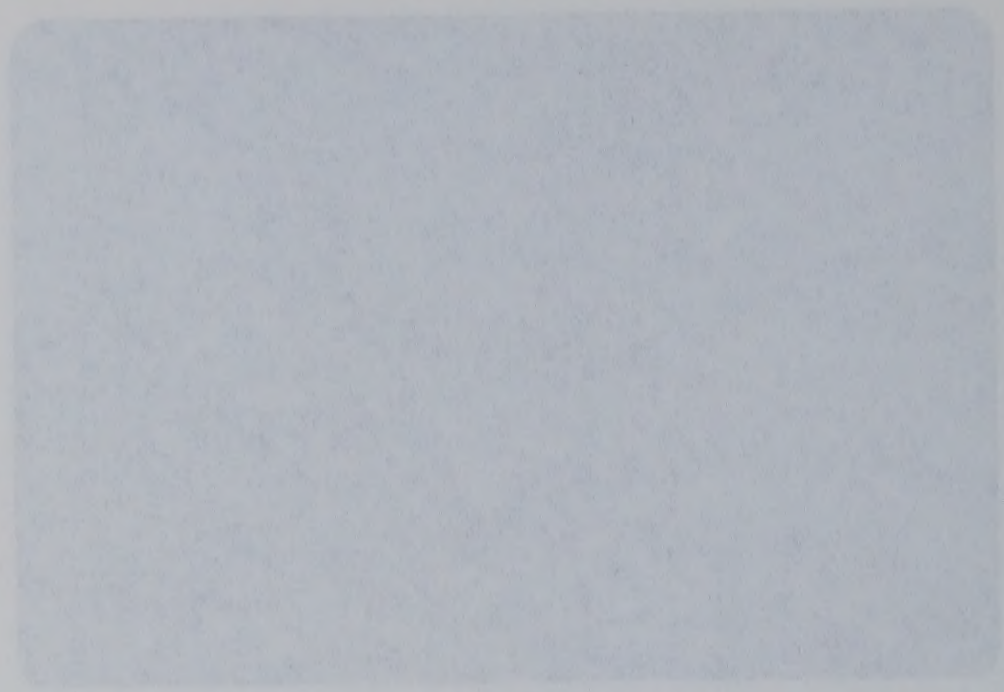
Typic Torriorthents, bouldery, 50 to 70 percent slopes

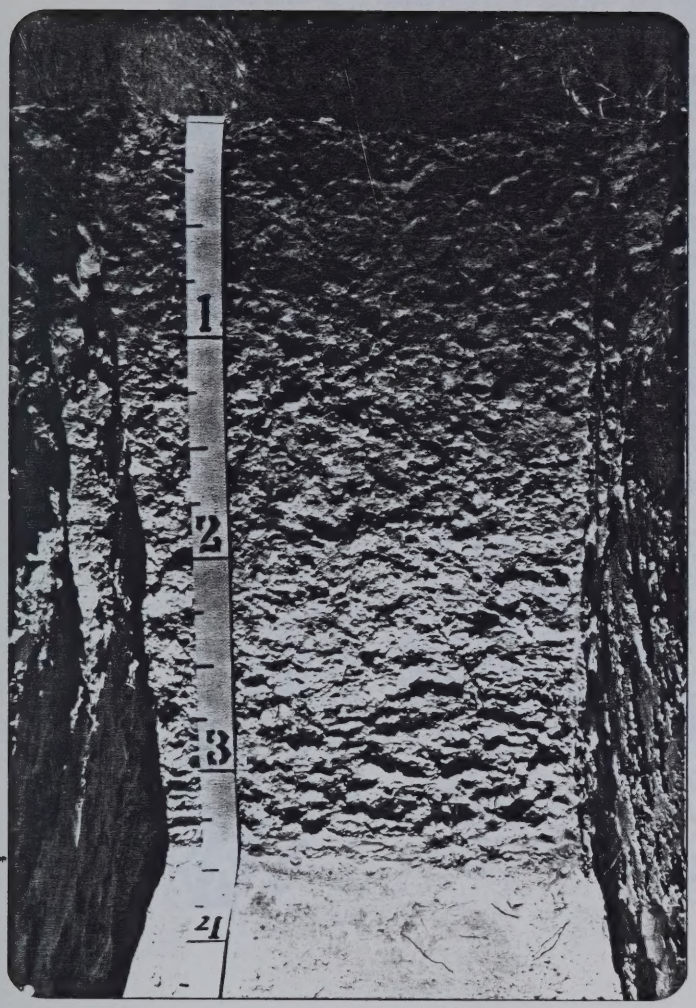
12. Talus slope



13. Salty stream bottom
Colorado River between Moab and Castle Valley

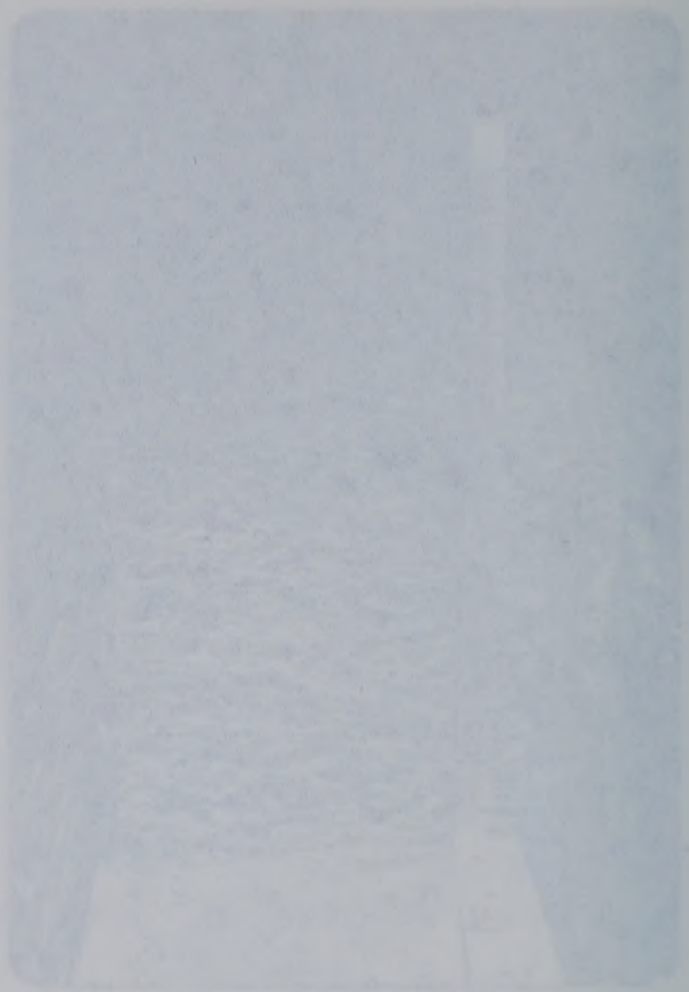
13. Salty stream bottom (Colorado River near Moab)

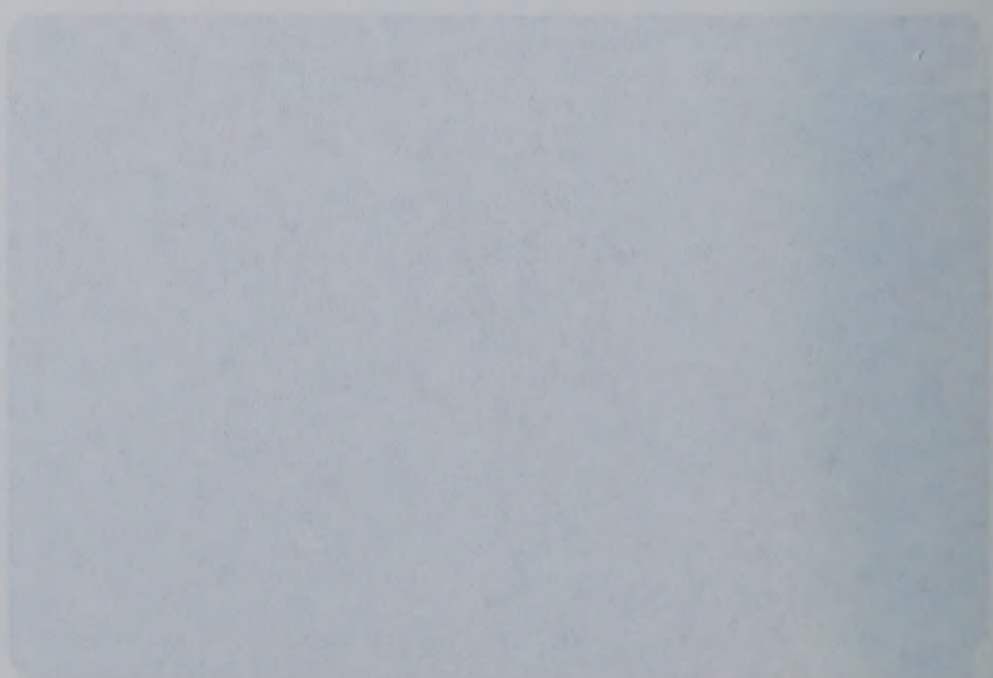


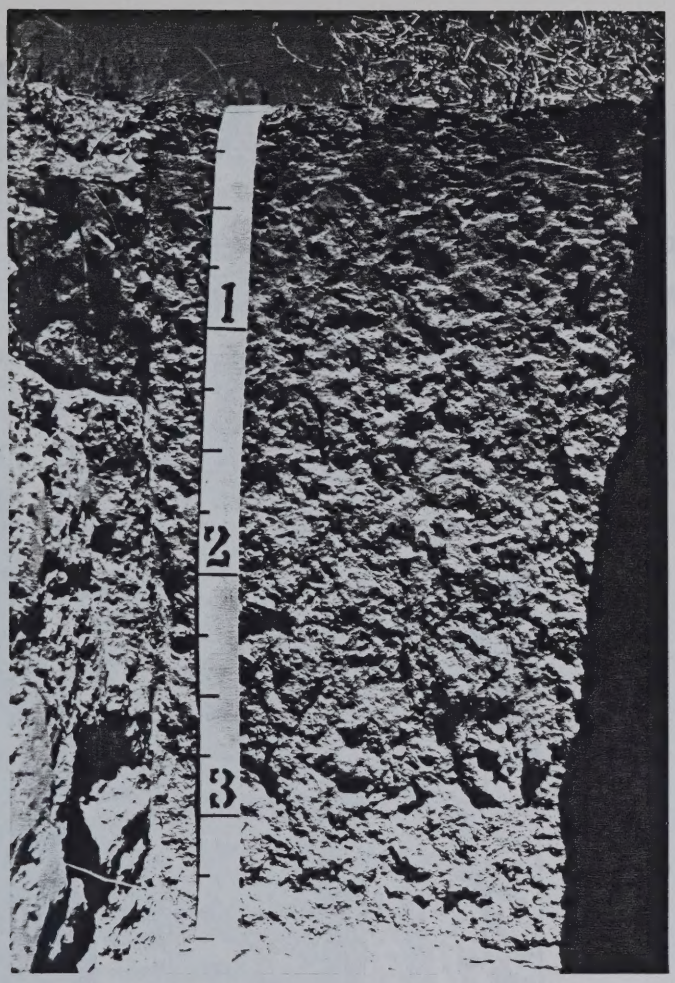



Windwistle fine sandy loam, 2 to 10 percent slopes, (S.W. ¼, S.E. ¼, Sec. 24, T. 26 S., R. 19 E., Pit 107)

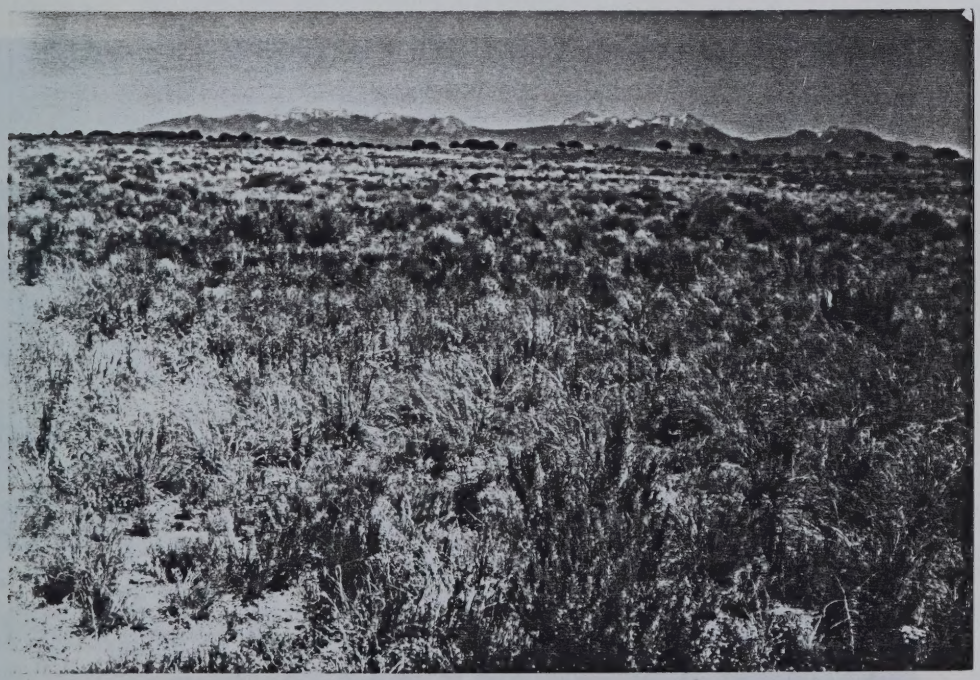
14. Upland loam



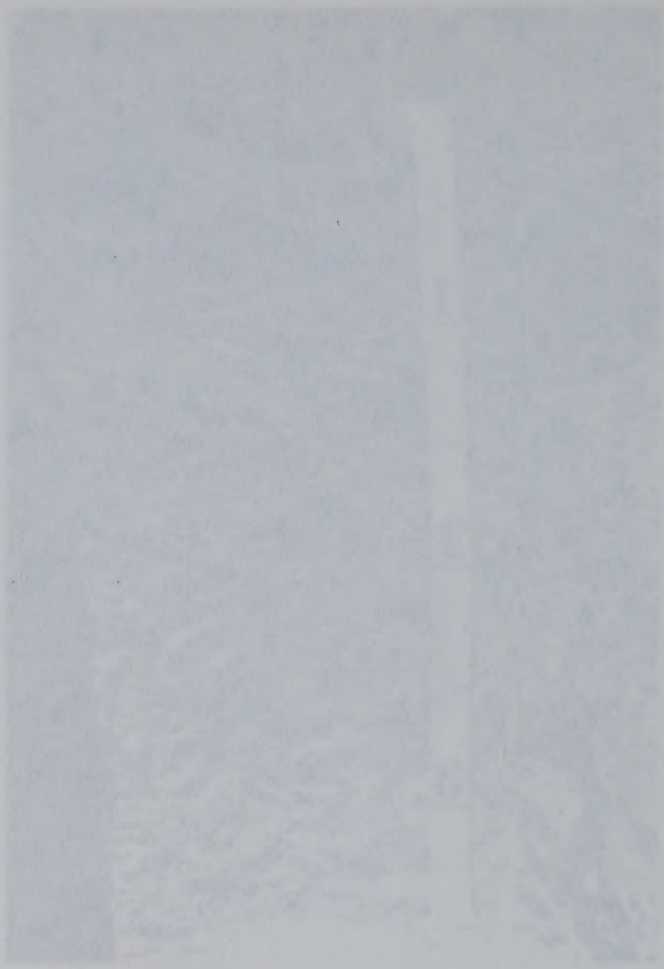


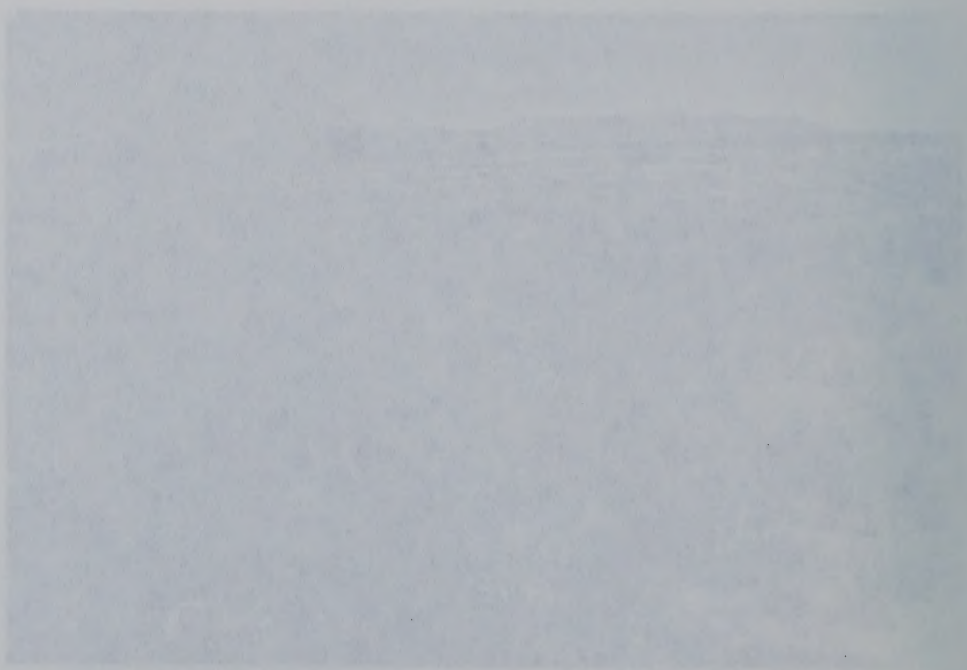



Windwistle (Pit 109)



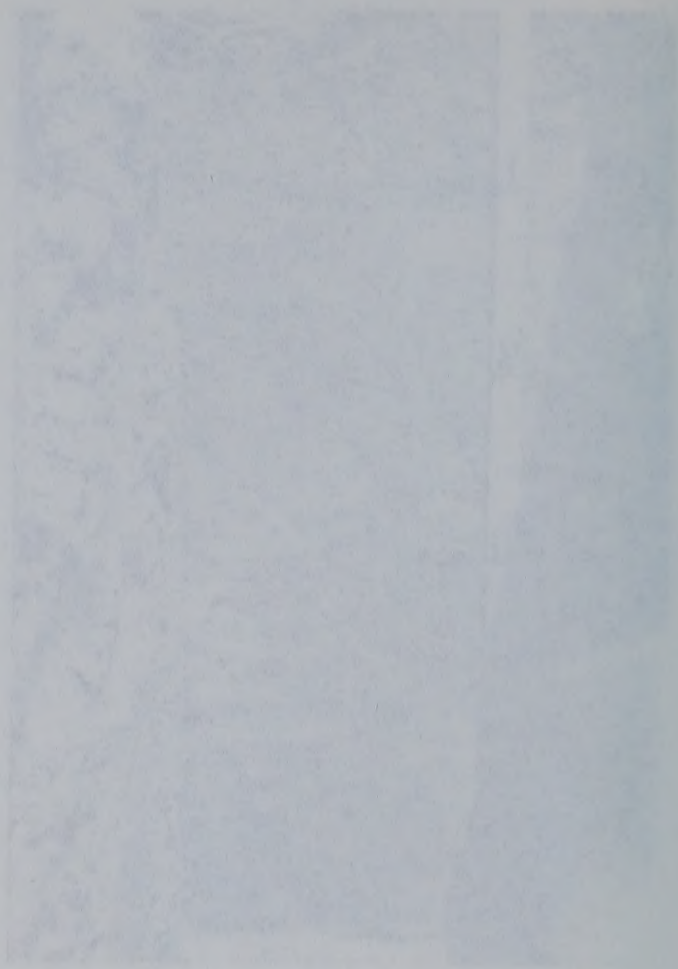
14. Upland loam (Pit 109)

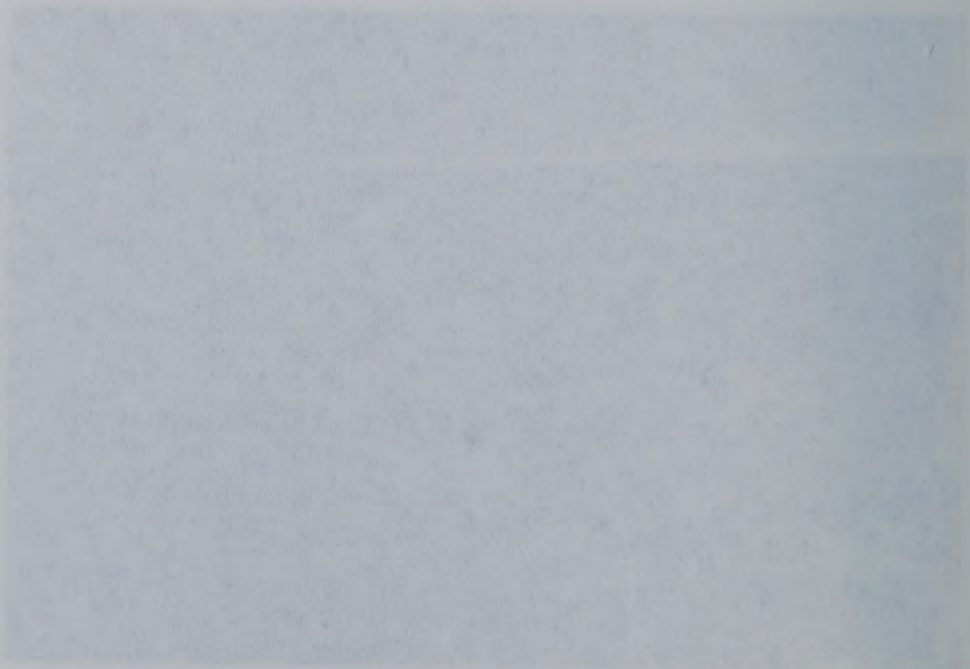




Mespun loamy fine sand, hummocky, 2 to 10 percent slopes, (N.E. ¼, S.W. ¼, Sec. 9, T. 25 S., R. 10 E., Pit 102)

15. Semidesert sand

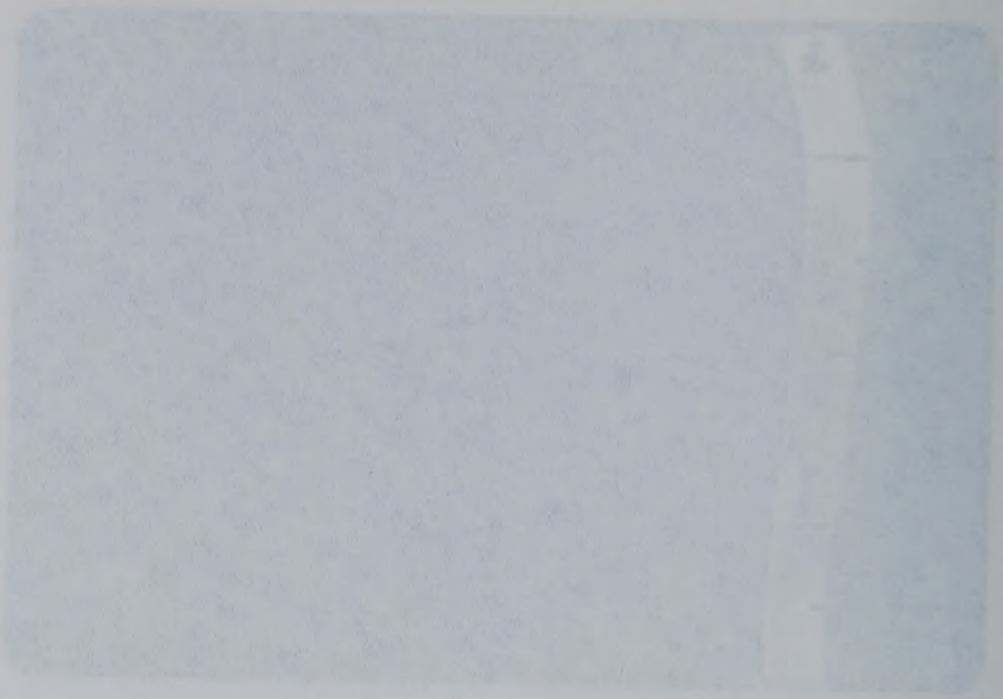




15. Semidesert sand, Mespun lfs

Rizozo fine sandy loam, dry, 2 to 10 percent slopes, (N.W. ¼, N.W. ¼, Sec. 2, T. 26 S., R. 19 E., Pit 114)

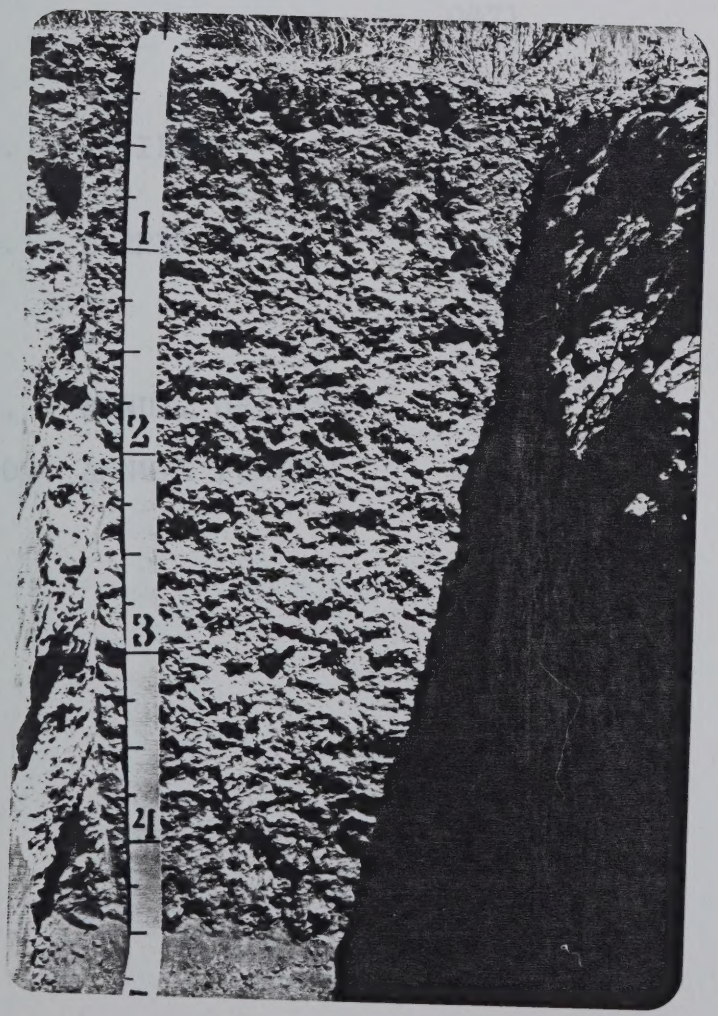
16. Semidesert shallow sandy loam



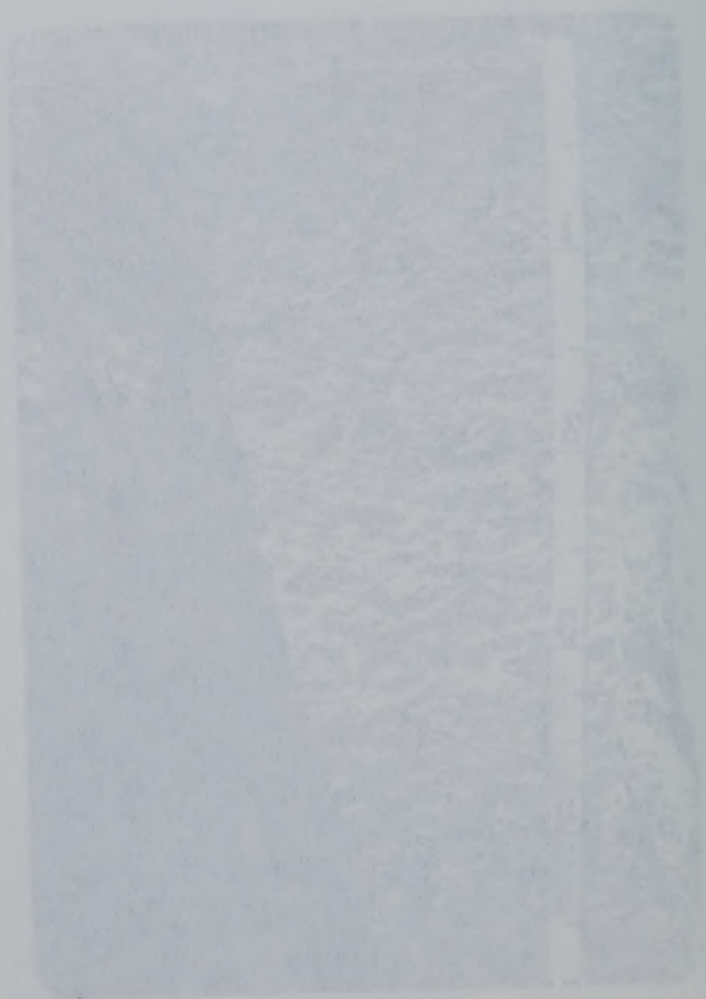
16. Semidesert shallow sandy loam

Road to Dead Horse Point

17. Semidesert sandy loam, (Begay fine sandy loam, 2 to 10 percent slopes)




Palma (Pit 110)



VEGETATION TYPES AND SUB-TYPES USED IN THIS REPORT

| | TYPE | CODE NO. | SUB-TYPE |
|---|---|---|---|
| 1. | GRASS | 0102 | MID GRASS |
| | | 0103 | TALL GRASS |
| 3. | PERENNIAL FORBS | 0301 | PERENNIAL FORBS |
| 4. | SHRUBS | 0401 | BLACK GREASEWOOD |
| | | 0415 | WINTERFAT |
| | | 0431 | SHADSCALE |
| | | 0432 | NUTTAL SALTBUSH |
| | | 0433 | MAT SALTBUSH |
| | | 0434 | FOURWING SALTBUSH |
| | | 0435 | OTHER SALTBUSH |
| | | 0441 | BIG SAGEBRUSH |
| | | 0442 | LOW SAGEBRUSH |
| | | 0444 | OTHER SAGEBRUSHES |
| | | 0445 | RABBITBRUSH |
| | | 0446 | SAND SAGEBRUSH |
| | | 0454 | SHINNERY OAK |
| | | 0461 | BLACKBRUSH |
| | | 0471 | SNAKEWEED |
| | | 0477 | MORMON TEA |
| | | 0499 | OTHER SHRUBS |
| 6. | CONIFER | 0693 | PINYON-JUNIPER |
| | | 0698 | JUNIPER |
| 8. | BARREN | 0801 | BADLAND |
| | | 0807 | DUNE LAND |
| | | 0812 | PITS |
| | | 0816 | ROCK OUTCROP |
| 9. | ANNUAL GRASSES | 0901 | CHEATGRASS |
| 10. | ANNUAL FORBS | 0999 | OTHER |

## Site Writeup Area Summaries

A site writeup area (SWA) is a delineation on the vegetation map. It may correspond exactly to the boundaries of a soils mapping unit. The SWA may contain a single ecosystem or a complex of ecosystems. An ecological site field form was written for each ecosystem in each SWA. If two or more ecological condition classes or different vegetation types occurred within an ecosystem, each was represented by a different writeup. Different condition classes and vegetation types were separated by dotted lines on the photo and different SWA numbers were given.

Site writeup areas were summarized by aerial photos (vegetative maps). Information in these summaries includes:

Column SWA No.: Site writeup area number

Column SWA Acres: The number of acres within a SWA

Column RS No.: The range site number. This number corresponds with the ecosystem code number as shown on page

Column Percent SWA: The percentage of each range site or land type such as rock outcrop within a SWA

Column EC: The ecological condition calculated on the ecological site field form

L = low condition, 0 to 33 percent
M = medium condition, 34 to 66 percent
H = high condition, 67+ percent

Column VA: Vegetative aspect code number as shown on the preceeding page

Column ESF No.: Ecological site field form number

Column Allotment: Name of the grazing allotment in which the SWA was located.

PHOTO 3C-1-165

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| D502 | 1150 | 7 | 60 | M | 0433 | D502 | Athena |
| | | 8 | 40 | M | 0102 | D504 | |
| D515 | 232 | 7 | 50 | L | 0433 | D515 | Athena |
| | | 8 | 30 | M | 0102 | D514 | |
| | | - | 20 | - | 0801 | - | |
| D501 | 906 | 3 | 100 | M | 0432 | D501 | Athena |
| D503 | 300 | 1 | 60 | L | 0999 | D516 | Athena |
| | | 2 | 40 | M | 0401 | D503 | |
| D521 | 31 | 7 | 70 | L | 0443 | D513 | Athena |
| | | 8 | 10 | M | 0102 | D504 | |
| | | - | 20 | - | 0801 | - | |
| D514 | 17 | 8 | 75 | M | 0102 | D514 | Athena |
| | | 7 | 25 | L | 0433 | D515 | |
| C508 | 52 | 1 | 60 | L | 0432 | P017 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C504 | 149 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C510 | 115 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 10 | M | 0102 | P015 | |
| | | - | 20 | - | 0801 | - | |

TOTAL ACRES 2,952

PHOTO 3D-1-165

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| D502 | 505 | 7 | 60 | M | 0433 | D502 | Athena |
| | | 8 | 40 | M | 0102 | D504 | |
| D503 | 47 | 1 | 60 | L | 0999 | D516 | Athena |
| | | 2 | 40 | M | 0401 | D503 | |
| D501 | 420 | 3 | 100 | M | 0432 | D501 | Athena |
| D511 | 109 | - | 100 | - | 0812 | - | Athena |
| C508 | 747 | 1 | 60 | L | 0999 | P017 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C500 | 105 | 7 | 60 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0431 | A503 | |
| | | - | 20 | - | 0801 | - | |
| C501 | 2887 | 7 | 70 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | P015 | |
| C504 | 537 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C503 | 530 | 7 | 50 | M | 0433 | C537 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | P015 | |
| C505 | 123 | 7 | 60 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | P015 | |
| C510 | 26 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 10 | M | 0102 | P015 | |
| | | - | 20 | - | 0801 | - | |
| C502 | 249 | 3 | 100 | M | 0431 | C502 | Big Flat-Tenmile |

PHOTO 3D-1-165 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C509 | 26 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | P015 | |

TOTAL ACRES 6,311

PHOTO 3A-1-167

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| D505 | 32 | 7 | 60 | M | 0433 | D502 | Athena |
| | | 8 | 20 | M | 0102 | D504 | |
| | | 11 | 20 | M | 0432 | D505 | |
| D513 | 175 | 7 | 70 | L | 0433 | D513 | Athena |
| | | 8 | 30 | M | 0102 | D504 | |
| D514 | 372 | 8 | 75 | M | 0102 | D514 | Athena |
| | | 7 | 25 | L | 0433 | D515 | |
| D515 | 176 | 7 | 50 | L | 0433 | D515 | Athena |
| | | 8 | 30 | M | 0102 | D514 | |
| | | - | 20 | - | 0801 | - | |
| D521 | 36 | 7 | 70 | L | 0443 | D513 | Athena |
| | | 8 | 10 | M | 0102 | D504 | |
| | | - | 20 | - | 0801 | - | |
| D504 | 174 | 7 | 50 | M | 0433 | D502 | Athena |
| | | 8 | 50 | M | 0102 | D504 | |
| D516 | 161 | 10 | 80 | M | 0102 | D506 | Athena |
| | | - | 20 | - | 0816 | - | |
| D507 | 198 | 7 | 50 | M | 0443 | D507 | Athena |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| D512 | 129 | 9 | 50 | M | 0432 | D512 | Athena |
| | | - | 50 | - | 0801 | | |
| E501 | 66 | 10 | 80 | M | 0301 | E501 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E503 | 508 | 7 | 30 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| | | - | 40 | - | 0801 | - | |

PHOTO 3A-1-167 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E527 | 207 | - | 100 | - | 0801 | - | Ruby Ranch |
| E509 | 109 | 10 | 25 | M | 0443 | E509 | Ruby Ranch |
| | | - | 75 | - | 0816 | - | |
| E507 | 50 | 1 | 60 | M | 0901 | E520 | Ruby Ranch |
| | | 2 | 40 | L | 0401 | E507 | |
| E502 | 841 | 10 | 80 | M | 0461 | E502 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E504 | 7 | 6 | 100 | M | 0301 | E504 | Ruby Ranch |
| C504 | 291 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C510 | 204 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 10 | M | 0102 | P015 | |
| | | - | 20 | - | 0801 | - | |
| C511 | 254 | 7 | 25 | M | 0433 | S036 | Big Flat-Tenmile |
| | | 8 | 75 | M | 0432 | P015 | |
| C512 | 63 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | - | 50 | - | 0801 | - | |
| C513 | 798 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | C509 | |
| C515 | 1333 | 18 | 30 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 40 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |

PHOTO 3A-1-167 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C514 | 1162 | 10<br>- | 80<br>20 | H<br>- | 0102<br>0816 | C539<br>- | Big Flat-Tenmile |
| C516 | 152 | 10<br>- | 25<br>75 | L<br>- | 0102<br>0816 | C520<br>- | Big Flat-Tenmile |
| C518 | 59 | 1 | 100 | L | 0999 | C506 | Big Flat-Tenmile |
| C517 | 462 | - | 100 | - | 0801 | - | Big Flat-Tenmile |
| C509 | 50 | 7<br>8 | 70<br>30 | M<br>M | 0433<br>0102 | C505<br>P015 | Big Flat Tenmile |

TOTAL ACRES 8,069

PHOTO 3B-1-167

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C504 | 659 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C503 | 2360 | 7 | 50 | M | 0433 | C537 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | S033 | |
| C510 | 16 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 10 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C509 | 186 | 7 | 70 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | P015 | |
| C502 | 888 | 3 | 100 | M | 0431 | C502 | Big Flat-Tenmile |
| C505 | 301 | 7 | 60 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | P015 | |
| C506 | 1024 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| C511 | 1075 | 7 | 25 | M | 0433 | S036 | Big Flat-Tenmile |
| | | 8 | 75 | M | 0432 | P015 | |
| C512 | 184 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | - | 50 | - | 0801 | - | |
| C513 | 1586 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | C509 | |
| C514 | 400 | 10 | 80 | H | 0102 | C539 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C515 | 285 | 7 | 30 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 40 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |

PHOTO 3B-1-167 (Cont'd.)

| SWA | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C517 | 71 | - | 100 | - | 0801 | - | Big Flat-Tenmile |
| C519 | 40 | 6 | 100 | M | 0102 | C552 | Big Flat-Tenmile |

TOTAL ACRES 9,075

PHOTO 3C-1-167

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E502 | 182 | 10 | 80 | M | 0461 | E502 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E503 | 254 | 7 | 30 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| | | - | 40 | - | 0801 | - | |
| E529 | 22 | 10 | 40 | M | 0443 | E509 | Ruby Ranch |
| | | - | 60 | - | 0816 | - | |
| F502 | 915 | 6 | 100 | M | 0102 | F502 | Tenmile Point |
| F527 | 339 | 11 | 50 | M | 0431 | F516 | Tenmile Point |
| | | 10 | 20 | M | 0461 | F520 | |
| | | - | 30 | - | 0816 | - | |
| F501 | 1095 | 10 | 80 | M | 0477 | F501 | Tenmile Point |
| | | - | 20 | - | 0816 | - | |
| F503 | 76 | 2 | 100 | L | 0401 | F503 | Tenmile Point |
| F507 | 37 | 6 | 80 | M | 0461 | F507 | Tenmile Point |
| | | 10 | 20 | M | 0301 | F506 | |
| C552 | 114 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |
| C506 | 80 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| C553 | 106 | 11 | 50 | M | 0461 | C544 | Big Flat-Tenmile |
| | | 10 | 20 | M | 0431 | C545 | |
| | | - | 30 | - | 0816 | - | |
| C551 | 783 | 10 | 80 | M | 0102 | C540 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |

PHOTO 3C-1-167 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C515 | 625 | 7 | 30 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 40 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C543 | 176 | 10 | 40 | L | 0102 | C520 | Big Flat-Tenmile |
| | | - | 60 | - | 0816 | - | |
| C517 | 122 | - | 100 | - | 0801 | - | Big Flat-Tenmile |

TOTAL ACRES 4,926

PHOTO 3D-1-167

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F507 | 7 | 6<br>10 | 80<br>20 | M<br>M | 0461<br>0301 | F507<br>F506 | Tenmile Point |
| C515 | 595 | 7<br>-<br>- | 30<br>40<br>30 | M<br>-<br>- | 0301<br>0801<br>0816 | P019<br>-<br>- | Big Flat-Tenmile |
| C517 | 278 | - | 100 | - | 0801 | - | Big Flat-Tenmile |
| C551 | 1070 | 10<br>- | 80<br>20 | M<br>- | 0102<br>0816 | C540<br>- | Big Flat-Tenmile |
| C552 | 1331 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |
| C545 | 105 | 11<br>10<br>- | 50<br>20<br>30 | M<br>M<br>- | 0461<br>0461<br>0816 | C554<br>D007<br>- | Big Flat-Tenmile |
| C506 | 2237 | 1<br>2 | 60<br>40 | L<br>L | 0999<br>0999 | C506<br>C507 | Big Flat-Tenmile |
| C513 | 20 | 7<br>8 | 50<br>50 | L<br>M | 0433<br>0102 | C535<br>C509 | Big Flat-Tenmile |
| C558 | 555 | 10<br>- | 80<br>20 | M<br>- | 0301<br>0816 | C543<br>- | Big Flat-Tenmile |
| C553 | 125 | 11<br>10<br>- | 50<br>20<br>30 | M<br>M<br>- | 0461<br>0431<br>0816 | C544<br>C545<br>- | Big Flat-Tenmile |
| C554 | 809 | 12<br>- | 40<br>60 | L<br>- | 0499<br>0816 | C546<br>- | Big Flat-Tenmile |
| C555 | 40 | 17<br>16<br>- | 50<br>30<br>20 | M<br>M<br>- | 0102<br>0102<br>0816 | T015<br>C534<br>- | Big Flat-Tenmile |

PHOTO 3D-1-167 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C556 | 380 | 17 | 100 | H | 0461 | C538 | Big Flat-Tenmile |
| C544 | 334 | 16 | 60 | M | 0461 | C532 | Big Flat-Tenmile |
| | | 17 | 15 | M | 0461 | T022 | |
| | | - | 25 | - | 0816 | - | |
| C543 | 46 | 10 | 40 | L | 0102 | C520 | Big Flat-Tenmile |
| | | - | 60 | - | 0816 | - | |
| C557 | 251 | 10 | 25 | M | 0431 | C545 | Big Flat-Tenmile |
| | | - | 75 | - | 0816 | - | |
| C514 | 164 | 10 | 80 | H | 0102 | C539 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C546 | 108 | 1 | 60 | L | 0433 | D003 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | D010 | |

TOTAL ACRES 8,455

PHOTO 3A-1-169

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F502 | 163 | 6 | 100 | M | 0102 | F502 | Tenmile Point |
| F518 | 192 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F503 | 142 | 2 | 100 | L | 0401 | F503 | Tenmile Point |
| F507 | 270 | 6 | 80 | M | 0461 | F507 | Tenmile Point |
| | | 10 | 20 | M | 0301 | F506 | |
| F506 | 536 | 10 | 80 | M | 0301 | F506 | Tenmile Point |
| | | - | 20 | - | 0816 | - | |
| F504 | 343 | - | I00 | - | 0816 | - | Tenmile Point |
| F508 | 437 | 16 | 60 | M | 0461 | F508 | Tenmile Point |
| | | 17 | 20 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F505 | 1574 | - | 10 | - | 0816 | - | Tenmile Point |
| | | 16 | 30 | M | 0461 | F508 | |
| | | 17 | 60 | M | 0102 | F505 | |
| F509 | 745 | 16 | 55 | M | 0461 | F507 | Tenmile Point |
| | | 17 | 25 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F512 | 167 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F513 | 105 | 16 | 30 | H | 0461 | F515 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 50 | - | 0816 | - | |
| F533 | 376 | 16 | 50 | M | 0461 | F508 | Tenmile Point |
| | | 17 | 40 | M | 0102 | F505 | |
| | | - | 10 | - | 0816 | - | |

TOTAL ACRES 5,050

PHOTO 3B-1-169

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C552 | 51 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |
| C554 | 703 | 12 | 40 | L | 0499 | C546 | Big Flat-Tenmile |
| | | - | 60 | - | 0816 | - | |
| C556 | 350 | 17 | 100 | H | 0461 | C538 | Big Flat-Tenmile |
| C555 | 430 | 17 | 50 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 30 | M | 0102 | C534 | |
| | | - | 20 | - | 0816 | - | |
| C544 | 1100 | 16 | 60 | M | 0461 | C532 | Big Flat-Tenmile |
| | | 17 | 15 | M | 0461 | T022 | |
| | | - | 25 | - | 0816 | - | |
| C560 | 531 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C561 | 98 | - | 75 | - | 0816 | - | Big Flat-Tenmile |
| | | 12 | 25 | L | 0499 | C546 | |
| C562 | 334 | 16 | 60 | M | 0102 | C534 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T015 | |
| | | - | 20 | - | 0816 | - | |
| C564 | 4 | 17 | 40 | M | 0461 | T022 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0102 | C534 | |
| | | - | 40 | - | 0816 | - | |
| C559 | 7 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| F507 | 1818 | 6 | 80 | M | 0461 | F507 | Tenmile Point |
| | | 10 | 20 | M | 0301 | F506 | |
| F506 | 561 | 10 | 80 | M | 0301 | F506 | Tenmile Point |
| | | - | 20 | - | 0816 | - | |

PHOTO 3B-1-169 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F534 | 974 | - | 60 | - | 0816 | - | Tenmile Point |
| | | 12 | 40 | M | 0477 | F517 | |
| F505 | 1219 | 17 | 60 | M | 0102 | F505 | Tenmile Point |
| | | 16 | 30 | M | 0461 | F508 | |
| | | - | 10 | - | 0816 | - | |
| F504 | 443 | - | 90 | - | 0816 | - | Tenmile Point |
| | | 10 | 10 | M | 0461 | F504 | |
| F509 | 141 | 16 | 55 | M | 0461 | F507 | Tenmile Point |
| | | 17 | 25 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F533 | 198 | 16 | 50 | M | 0461 | F508 | Tenmile Point |
| | | 17 | 40 | M | 0102 | F505 | |
| | | - | 10 | - | 0816 | - | |
| F512 | 105 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F534 | 44 | - | 60 | - | 0816 | - | Tenmile Point |
| | | 12 | 40 | M | 0477 | J529 | |
| C563 | 271 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 9,382

PHOTO 3C-1-169

| SWA # | SWA Acres | RS# | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| G502 | 426 | 12 | 50 | M | 0477 | G502 | Spring Canyon Bottom |
| | | - | 50 | - | 0816 | - | |
| F512 | 44 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F513 | 469 | 16 | 30 | H | 0461 | F515 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 50 | - | 0816 | - | |
| F533 | 27 | 16 | 50 | M | 0461 | F508 | Tenmile Point |
| | | - | 10 | - | 0816 | - | |
| | | 17 | 40 | M | 0102 | F505 | |
| F511 | 244 | 16 | 45 | M | 0461 | F512 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 35 | - | 0816 | - | |
| F504 | 39 | - | 100 | - | 0816 | - | Tenmile Point |
| F510 | 53 | 15 | 70 | M | 0102 | F511 | Tenmile Point |
| | | 17 | 30 | M | 0102 | F514 | |
| C593 | 1056 | 16 | 45 | M | 0693 | T005 | Big Flat-Tenmile |
| | | 15 | 20 | M | 0102 | T013 | |
| | | - | 35 | - | 0816 | - | |
| C563 | 627 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |
| C592 | 1679 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| C568 | 53 | - | 100 | - | 0816 | - | Big Flat-Tenmile |

PHOTO 3C-1-169 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C560 | 303 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 5,020

PHOTO 3D-1-169

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F533 | 89 | 16 | 50 | M | 0461 | F508 | Tenmile Point |
| | | 17 | 40 | M | 0102 | F505 | |
| | | - | 10 | - | 0816 | - | |
| F511 | 396 | 16 | 45 | M | 0461 | F512 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 35 | - | 0816 | - | |
| F504 | 6 | - | 100 | - | 0816 | - | Tenmile Point |
| F512 | 148 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F534 | 146 | - | 60 | - | 0816 | - | Tenmile Point |
| | | 12 | 40 | M | 0477 | J529 | |
| G502 | 83 | 12 | 50 | M | 0477 | G502 | Spring Canyon Bottom |
| | | - | 50 | - | 0816 | - | |
| G505 | 57 | 12 | 40 | M | 0477 | G502 | Spring Canyon Bottom |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| C563 | 1102 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |
| C556 | 273 | 17 | 100 | H | 0461 | C538 | Big Flat-Tenmile |
| C564 | 530 | 17 | 40 | M | 0461 | T022 | Big Flat- Tenmile |
| | | 16 | 20 | M | 0102 | C534 | |
| | | - | 40 | - | 0816 | - | |
| C560 | 2608 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |

PHOTO 3D-1-169 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C593 | 1522 | 16 | 45 | M | 0693 | T005 | Big Flat-Tenmile |
| | | 15 | 20 | M | 0102 | T013 | |
| | | - | 35 | - | 0816 | - | |
| C568 | 523 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C592 | 518 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| C579 | 390 | 16 | 65 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 10 | M | 0102 | T004 | |
| | | - | 25 | - | 0816 | - | |

TOTAL ACRES 7,466

PHOTO 1A-6-89

| SWA | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| D507 | 11 | 7 | 50 | M | 0443 | D507 | Athena |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| D518 | 174 | 7 | 40 | L | 0443 | D508 | Athena |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| D519 | 367 | 10 | 15 | H | 0102 | D509 | Athena |
| | | - | 75 | - | 0801 | - | |
| | | - | 10 | - | 0816 | - | |
| D520 | 186 | 4 | 40 | M | 0443 | D508 | Athena |
| | | 6 | 20 | M | 0102 | D510 | |
| | | 7 | 30 | M | 0443 | D507 | |
| E527 | 228 | - | 100 | - | 0801 | - | Ruby Ranch |
| E503 | 1542 | 7 | 30 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| | | - | 40 | - | 0801 | - | |
| E502 | 1832 | 10 | 80 | M | 0461 | E502 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E509 | 1489 | 10 | 25 | M | 0443 | E509 | Ruby Ranch |
| | | - | 75 | - | 0816 | - | |
| E524 | 816 | 4 | 40 | L | 0431 | E515 | Ruby Ranch |
| | | 6 | 30 | M | 0301 | E513 | |
| | | 7 | 30 | M | 0432 | E503 | |
| E505 | 110 | 4 | I00 | M | 0301 | E505 | Ruby Ranch |
| E516 | 33 | 10 | 15 | M | 0301 | E514 | Ruby Ranch |
| | | - | 75 | - | 0801 | - | |
| | | - | 10 | - | 0816 | - | |

PHOTO 1A-6-89 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E507 | 449 | 1 | 60 | M | 0901 | E520 | Ruby Ranch |
| | | 2 | 40 | L | 0401 | E507 | |
| E506 | 7 | 7 | 70 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0801 | - | |
| | | | | | | - | |
| E504 | 109 | 6 | 100 | M | 0301 | E504 | Ruby Ranch |
| E508 | 410 | 11 | 60 | M | 0431 | E508 | Ruby Ranch |
| | | - | 40 | - | 0816 | - | |
| E515 | 283 | 4 | 60 | L | 0431 | E515 | Ruby Ranch |
| | | 7 | 20 | M | 0432 | E503 | |
| | | - | 20 | - | 0816 | - | |
| E511 | 1158 | 7 | 50 | M | 0431 | E511 | Ruby Ranch |
| | | 4 | 30 | M | 0431 | E510 | |
| | | - | 20 | - | 0816 | - | |
| E526 | 208 | 10 | 70 | M | 0301 | E514 | Ruby Ranch |
| | | 6 | 15 | M | 0301 | E513 | |
| | | - | 15 | - | 0816 | - | |
| E518 | 11 | - | 100 | - | 0816 | - | Ruby Ranch |
| E525 | 170 | 4 | 80 | M | 0431 | E510 | Ruby Ranch |
| | | 10 | 10 | M | 0461 | E502 | |
| | | - | 10 | - | 0816 | - | |

TOTAL ACRES 9,593

PHOTO 1B-6-89

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| D507 | 983 | 7 | 50 | M | 0443 | D507 | Athena |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| D509 | 463 | 10 | 65 | H | 0102 | D509 | Athena |
| | | 6 | 20 | M | 0102 | D510 | |
| | | - | 15 | - | 0816 | - | |
| D506 | 23 | 10 | 65 | M | 0102 | D506 | Athena |
| | | 3 | 10 | M | 0432 | D501 | |
| | | - | 25 | - | 0816 | - | |
| D510 | 65 | 7 | 60 | M | 0433 | D502 | Athena |
| | | 8 | 40 | M | 0102 | D504 | |
| D505 | 86 | 7 | 60 | M | 0433 | D502 | Athena |
| | | 8 | 20 | M | 0102 | D504 | |
| | | 11 | 20 | M | 0432 | D505 | |
| D508 | 80 | 4 | 85 | L | 0443 | D508 | Athena |
| | | 10 | 10 | H | 0102 | D509 | |
| | | - | 5 | - | 0816 | - | |
| E503 | 772 | 7 | 30 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| | | - | 40 | - | 0801 | - | |
| E527 | 217 | - | 100 | - | 0801 | - | Ruby Ranch |
| E508 | 1360 | 11 | 60 | M | 0431 | E508 | Ruby Ranch |
| | | - | 40 | - | 0816 | - | |
| E501 | 242 | 10 | 80 | M | 0301 | E501 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E505 | 370 | 4 | 100 | M | 0301 | E505 | Ruby Ranch |

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E507 | 333 | 1 | 60 | M | 0901 | E520 | Ruby Ranch |
| | | 2 | 40 | L | 0401 | E507 | |
| E509 | 313 | 10 | 25 | M | 0443 | E509 | Ruby Ranch |
| | | - | 75 | - | 0816 | - | |
| E504 | 522 | 6 | 100 | M | 0301 | E504 | Ruby Ranch |
| E528 | 320 | 7 | 50 | M | 0432 | E503 | Ruby Ranch |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| E506 | 142 | 9 | 70 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0801 | - | |
| E502 | 908 | 10 | 80 | M | 0461 | E502 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E511 | 658 | 7 | 50 | M | 0431 | E511 | Ruby Ranch |
| | | 4 | 30 | M | 0431 | E510 | |
| | | - | 20 | - | 0816 | - | |
| E510 | 658 | 4 | 100 | M | 0431 | E510 | Ruby Ranch |
| E523 | 230 | 10 | 65 | M | 0461 | E502 | Ruby Ranch |
| | | 6 | 10 | M | 0301 | E513 | |
| | | - | 25 | - | 0816 | - | |
| E518 | 113 | - | 100 | - | 0816 | - | Ruby Ranch |

TOTAL ACRES 8,858

PHOTO 1C-6-89

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E526 | 55 | 10 | 70 | M | 0301 | E514 | Ruby Ranch |
| | | 6 | 15 | M | 0301 | E513 | |
| | | - | 15 | - | 0816 | - | |
| E518 | 698 | - | 100 | - | 0816 | - | Ruby Ranch |
| E523 | 140 | 10 | 65 | M | 0461 | E502 | Ruby Ranch |
| | | 6 | 10 | M | 0301 | E513 | |
| | | - | 25 | - | 0816 | - | |
| E525 | 219 | 4 | 80 | M | 0431 | E510 | Ruby Ranch |
| | | 10 | 10 | M | 0461 | E502 | |
| | | - | 10 | - | 0816 | - | |
| E513 | 1453 | 6 | 75 | M | 0301 | E513 | Ruby Ranch |
| | | 10 | 15 | M | 0301 | E514 | |
| | | - | 10 | - | 0816 | - | |
| E520 | 593 | 10 | 25 | M | 0443 | E509 | Ruby Ranch |
| | | 6 | 15 | M | 0301 | E513 | |
| | | - | 60 | - | 0816 | - | |
| E517 | 176 | 6 | 70 | L | 0102 | E518 | Ruby Ranch |
| | | 3 | 30 | L | 0301 | E517 | |
| E512 | 122 | 5 | 100 | L | 0499 | E512 | Ruby Ranch |
| E521 | 244 | 6 | 85 | M | 0301 | E513 | Ruby Ranch |
| | | 10 | 10 | M | 0443 | E509 | |
| | | - | 5 | - | 0816 | - | |
| E519 | 77 | 13 | 100 | M | 0499 | E519 | Ruby Ranch |
| E524 | 26 | 4 | 40 | L | 0431 | E515 | Ruby Ranch |
| | | 6 | 30 | M | 0301 | E513 | |
| | | 9 | 30 | M | 0432 | E503 | |

PHOTO 1C-6-89 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F519 | 37 | 13 | 100 | L | 0499 | E519 | Tenmile Point |
| F518 | 131 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F504 | 36 | - | 100 | - | 0816 | - | Tenmile Point |
| F517 | 32 | 4 | 85 | M | 0431 | F518 | Tenmile Point |
| | | 10 | 10 | M | 0461 | F520 | |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 4,039

PHOTO 1D-6-89

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F501 | 245 | 10 | 80 | M | 0477 | F501 | Tenmile Point |
| | | - | 20 | - | 0816 | - | |
| F502 | 846 | 12 | 100 | M | 0102 | F502 | Tenmile Point |
| F520 | 365 | 10 | 70 | M | 0477 | F501 | Tenmile Point |
| | | - | 30 | - | 0816 | - | |
| F516 | 75 | 6 | 60 | M | 0102 | F519 | Tenmile Point |
| | | 10 | 30 | M | 0461 | F520 | |
| | | - | 10 | - | 0816 | - | |
| F518 | 1 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| E525 | 43 | 4 | 80 | M | 0431 | E510 | Ruby Ranch |
| | | 10 | 10 | M | 0461 | E503 | |
| | | - | 10 | - | 0816 | - | |
| E524 | 344 | 4 | 40 | L | 0431 | E515 | Ruby Ranch |
| | | 6 | 30 | M | 0301 | E513 | |
| | | 9 | 30 | M | 0432 | E503 | |
| E511 | 95 | 7 | 50 | M | 0431 | E511 | Ruby Ranch |
| | | 4 | 30 | M | 0431 | E510 | |
| | | - | 20 | - | 0816 | - | |
| E510 | 572 | 4 | 100 | M | 0431 | E510 | Ruby Ranch |
| E513 | 675 | 6 | 75 | M | 0301 | E513 | Ruby Ranch |
| | | 10 | 15 | M | 0301 | E514 | |
| | | - | 10 | - | 0816 | - | |
| E512 | 1624 | 5 | 100 | L | 0499 | E512 | Ruby Ranch |

PHOTO 1D-6-89 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| E526 | 44 | 10 | 70 | M | 0301 | E514 | Ruby Ranch |
| | | 6 | 15 | M | 0301 | E513 | |
| | | - | 15 | - | 0816 | - | |
| E518 | 3286 | - | 100 | - | 0816 | - | Ruby Ranch |
| E502 | 526 | 10 | 80 | M | 0461 | E502 | Ruby Ranch |
| | | - | 20 | - | 0816 | - | |
| E503 | 466 | 7 | 30 | M | 0432 | E503 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| | | - | 40 | - | 0801 | - | |
| E521 | 950 | 6 | 85 | M | 0301 | E513 | Ruby Ranch |
| | | 10 | 10 | M | 0443 | E509 | |
| | | - | 5 | - | 0816 | - | |
| E514 | 1408 | 10 | 70 | M | 0301 | E514 | Ruby Ranch |
| | | - | 30 | - | 0816 | - | |
| F504 | 448 | - | 100 | - | 0816 | - | Tenmile Point |

TOTAL ACRES 12,013

PHOTO 1A-6-87

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F517 | 67 | 4 | 85 | M | 0431 | F518 | Tenmile Point |
| | | 10 | 10 | M | 0461 | F520 | |
| | | - | 5 | - | 0816 | - | |
| F518 | 1231 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F523 | 64 | 13 | 100 | M | 0401 | H505 | Tenmile Point |
| F516 | 1140 | 6 | 60 | M | 0102 | F519 | Tenmile Point |
| | | 10 | 30 | M | 0461 | F520 | |
| | | - | 10 | - | 0816 | - | |
| F521 | 678 | 10 | 75 | M | 0301 | F506 | Tenmile Point |
| | | - | 25 | - | 0816 | - | |
| F522 | 640 | - | 100 | - | 0816 | - | Tenmile Point |
| F524 | 65 | 11 | 70 | M | 0431 | F516 | Tenmile Point |
| | | - | 30 | - | 0816 | - | |

TOTAL ACRES 3,885

PHOTO 1B-6-87

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F504 | 1325 | - | 100 | - | 0816 | - | Tenmile Point |
| F517 | 30 | 4 | 85 | M | 0431 | F518 | Tenmile Point |
| | | 10 | 10 | M | 0461 | F520 | |
| | | - | 5 | - | 0816 | - | |
| F516 | 4908 | 6 | 60 | M | 0102 | F519 | Tenmile Point |
| | | 10 | 30 | M | 0461 | F520 | |
| | | - | 10 | - | 0816 | - | |
| F518 | 2598 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F520 | 126 | 10 | 70 | M | 0477 | F501 | Tenmile Point |
| | | - | 30 | - | 0816 | - | |
| F502 | 456 | 6 | 100 | M | 0102 | F502 | Tenmile Point |
| F515 | 96 | 4 | 70 | M | 0431 | F518 | Tenmile Point |
| | | 10 | 15 | M | 0461 | F520 | |
| | | - | 15 | - | 0816 | - | |
| F522 | 39 | - | 100 | - | 0816 | - | Tenmile Point |
| F503 | 330 | 2 | 100 | L | 0401 | F503 | Tenmile Point |
| F525 | 209 | 10 | 70 | M | 0477 | F501 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 15 | - | 0816 | - | |
| F521 | 383 | 10 | 75 | M | 0301 | F506 | Tenmile Point |
| | | - | 25 | - | 0816 | - | |
| F514 | 239 | 12 | 40 | M | 0477 | F517 | Tenmile Point |
| | | 11 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |

PHOTO 1B-6-87 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F526 | 241 | 11 | 50 | M | 0431 | F516 | Tenmile Point |
| | | 10 | 10 | M | 0461 | F520 | |
| | | - | 40 | - | 0816 | - | |
| F510 | 872 | 15 | 70 | M | 0102 | F511 | Tenmile Point |
| | | 17 | 30 | M | 0102 | F514 | |
| F509 | 308 | 16 | 55 | M | 0461 | F507 | Tenmile Point |
| | | 17 | 25 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F512 | 20 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F505 | 56 | 17 | 60 | M | 0102 | F505 | Tenmile Point |
| | | 16 | 30 | M | 0461 | F508 | |
| | | - | 10 | - | 0816 | - | |

TOTAL ACRES 12,236

PHOTO 1C-6-87

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F518 | 159 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F516 | 24 | 6 | 60 | M | 0102 | F519 | Tenmile Point |
| | | 10 | 30 | M | 0461 | F520 | |
| | | - | 10 | - | 0816 | - | |
| F524 | 275 | 11 | 70 | M | 0431 | F516 | Tenmile Point |
| | | - | 30 | - | 0816 | - | |
| F523 | 41 | 13 | 100 | M | 0401 | H505 | Tenmile Point |

TOTAL ACRES 499

PHOTO 1D-6-87

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C592 | 21 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| C593 | 454 | 16 | 45 | M | 0693 | T005 | Big Flat-Tenmile |
| | | 15 | 20 | M | 0102 | T013 | |
| | | - | 35 | - | 0816 | - | |
| G502 | 455 | 12 | 50 | M | 0477 | G502 | Spring Canyon Bottom |
| | | - | 50 | - | 0816 | - | |
| F518 | 128 | 10 | 25 | M | 0461 | F520 | Tenmile Point |
| | | 6 | 15 | M | 0102 | F519 | |
| | | - | 60 | - | 0816 | - | |
| F524 | 54 | 11 | 70 | M | 0431 | F516 | Tenmile Point |
| | | - | 30 | - | 0816 | - | |
| F516 | 279 | 6 | 60 | M | 0102 | F519 | Tenmile Point |
| | | 10 | 30 | M | 0461 | F520 | |
| | | - | 10 | - | 0816 | - | |
| F514 | 2128 | 12 | 40 | M | 0477 | J529 | Tenmile Point |
| | | 11 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| F504 | 82 | - | 100 | - | 0816 | - | Tenmile Point |
| F523 | 133 | 13 | 100 | M | 0401 | H505 | Tenmile Point |
| F513 | 1443 | 16 | 30 | H | 0461 | F515 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 50 | - | 0816 | - | |
| F510 | 2213 | 15 | 70 | M | 0102 | F511 | Tenmile Point |
| | | 17 | 30 | M | 0102 | F514 | |

PHOTO 1D-6-87 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F509 | 1308 | 16 | 55 | M | 0461 | F507 | Tenmile Point |
| | | 17 | 25 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F511 | 219 | 16 | 45 | M | 0461 | F512 | Tenmile Point |
| | | 15 | 20 | M | 0102 | F513 | |
| | | - | 35 | - | 0816 | - | |
| F529 | 203 | 16 | 40 | M | 0461 | F508 | Tenmile Point |
| | | - | 60 | - | 0816 | - | |
| F512 | 266 | 17 | 100 | M | 0102 | F514 | Tenmile Point |
| F530 | 1003 | 17 | 65 | M | 0102 | F505 | Tenmile Point |
| | | 16 | 20 | M | 0461 | F508 | |
| | | - | 15 | - | 0816 | - | |
| F531 | 292 | 15 | 60 | M | 0102 | F511 | Tenmile Point |
| | | 17 | 30 | M | 0102 | F514 | |
| | | - | 10 | - | 0816 | - | |
| F532 | 67 | 12 | 50 | M | 0477 | J529 | Tenmile Point |
| | | - | 50 | - | 0816 | - | |

TOTAL ACRES 10,748

PHOTO 4C-1-207

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| F509 | 149 | 16 | 55 | M | 0461 | F507 | Tenmile Point |
| | | 17 | 25 | M | 0102 | F505 | |
| | | - | 20 | - | 0816 | - | |
| F532 | 34 | 12 | 50 | M | 0477 | J529 | Tenmile Point |
| | | - | 50 | - | 0816 | - | |
| G501 | 107 | 13 | 100 | H | 0102 | G501 | Spring Canyon Bottom |
| G502 | 1986 | 12 | 50 | M | 0477 | G502 | Spring Canyon Bottom |
| | | - | 50 | - | 0816 | - | |
| G504 | 71 | 13 | 100 | M | 0401 | G503 | Spring Canyon Bottom |
| G505 | 1119 | 12 | 40 | M | 0477 | G502 | Spring Canyon Bottom |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| C593 | 65 | 16 | 45 | M | 0693 | T005 | Big Flat-Tenmile |
| | | 15 | 20 | M | 0102 | T013 | |
| | | - | 35 | - | 0816 | - | |
| C592 | 3524 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| C560 | 1005 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C579 | 848 | 16 | 65 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 10 | M | 0102 | T004 | |
| | | - | 25 | - | 0816 | - | |
| C565 | 468 | 15 | 60 | M | 0446 | T017 | Big Flat-Tenmile |
| | | 17 | 40 | L | 0461 | T018 | |

PHOTO 4C-1-207 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C594 | 236 | 16 | 60 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0461 | T023 | |
| C588 | 482 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C581 | 26 | 16 | 50 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0102 | T004 | |
| | | - | 10 | - | 0816 | - | |

TOTAL ACRES 11,743

PHOTO 4D-1-207

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C560 | 437 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C579 | 185 | 16 | 65 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 10 | M | 0102 | T004 | |
| | | - | 25 | - | 0816 | - | |
| C588 | 1367 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C559 | 138 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | | 40 | - | 0816 | - | |
| C581 | 520 | 16 | 50 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0102 | T004 | |
| | | - | 10 | - | 0816 | - | |
| C590 | 270 | 17 | 100 | M | 0102 | T014 | Big Flat-Tenmile |
| C592 | 226 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| G505 | 803 | 12 | 40 | M | 0477 | G502 | Spring Canyon Bottom |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |

TOTAL ACRES 3,936

PHOTO 4A-1-209

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| G502 | 208 | 12 | 50 | M | 0477 | G502 | Spring Canyon Bottom |
| | | - | 50 | - | 0816 | - | |
| C588 | 2477 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C559 | 107 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C594 | 937 | 16 | 60 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0461 | T023 | |
| C610 | 83 | 17 | 75 | M | 0477 | T046 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0102 | T044 | |
| | | - | 5 | - | 0816 | - | |
| C612 | 53 | 16 | 75 | M | 0461 | C519 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T052 | |
| | | - | 5 | - | 0816 | - | |
| C611 | 151 | 17 | 75 | M | 0102 | T053 | Big Flat-Tenmile |
| | | 16 | 25 | M | 0102 | T044 | |
| C613 | 95 | 12 | 50 | L | 0471 | C561 | Big Flat-Tenmile |
| | | - | 50 | - | 0816 | - | |
| C612 | 399 | 16 | 75 | M | 0461 | C519 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T052 | |
| | | - | 5 | - | 0816 | - | |
| H503 | 2474 | 12 | 40 | M | 0102 | H504 | Horsethief Point |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| H504 | 199 | 13 | 100 | M | 0401 | H505 | Horsethief Point |

PHOTO 4A-1-209 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| H502 | 100 | 2 | 100 | L | 0301 | H503 | Horsethief Point |
| H506 | 121 | 13 | 100 | L | 0102 | H507 | Horsethief Point |
| H512 | 167 | 16<br>15<br>- | 30<br>20<br>50 | M<br>M<br>- | 0461<br>0102<br>0816 | H510<br>H506<br>- | Horsethief Point |
| H508 | 1052 | 16<br>17<br>- | 60<br>15<br>25 | M<br>M<br>- | 0698<br>0102<br>0816 | H509<br>T052<br>- | Horsethief Point |
| H507 | 140 | 17 | 100 | H | 0461 | H508 | Horsethief Point |
| H509 | 35 | 12<br>- | 50<br>50 | M<br>- | 0102<br>0816 | H504<br>- | Horsethief Point |
| H511 | 138 | 16<br>17 | 80<br>20 | M<br>M | 0461<br>0102 | H510<br>T052 | Horsethief Point |
| H501 | 564 | 17 | 100 | M | 0477 | T045 | Horsethief Point |
| H510 | 525 | 16<br>17<br>- | 75<br>20<br>5 | M<br>M<br>- | 0461<br>0102<br>0816 | H510<br>T052<br>- | Horsethief Point |
| H505 | 32 | 5 | 100 | M | 0102 | H506 | Horsethief Point |

TOTAL ACRES 10,057

PHOTO 3A-1-155

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C501 | 895 | 7 | 70 | M | 0433 | C501 | Big Flat- Tenmile |
| | | 8 | 30 | M | 0102 | P015 | |
| C500 | 119 | 7 | 60 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0431 | A503 | |
| | | - | 20 | - | 0801 | - | |
| C508 | 67 | 1 | 60 | L | 0999 | P017 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C504 | 367 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C502 | 2534 | 3 | 100 | M | 0431 | C502 | Big Flat-Tenmile |
| C503 | 396 | 7 | 50 | M | 0433 | C537 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | P015 | |
| C507 | 582 | 7 | 60 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 25 | M | 0102 | S033 | |
| | | - | 15 | - | 0801 | - | |
| C505 | 165 | 7 | 60 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | P015 | |
| C506 | 1493 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| B500 | 110 | 7 | 75 | M | 0433 | B500 | Crescent Junction |
| | | 8 | 15 | M | 0432 | B503 | |
| | | - | 10 | - | 0801 | - | |
| B501 | 838 | 1 | 60 | L | 0432 | B501 | Crescent Junction |
| | | 2 | 40 | L | 0401 | B505 | |
| B502 | 218 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 40 | M | 0432 | B503 | |

PHOTO 3A-1-155 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA ESF # | | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B503 | 356 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 25 | M | 0432 | B503 | |
| | | - | 15 | - | 0801 | - | |
| B513 | 22 | 7 | 50 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 50 | M | 0432 | B503 | |
| B511 | 53 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 11 | 20 | M | 0431 | A503 | |
| | | - | 20 | - | 0801 | - | |
| B514 | 6 | 3 | 100 | M | 0431 | C502 | Crescent Junction |

TOTAL ACRES 8,222

PHOTO 3B-1-155

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A503 | 56 | 7<br>8<br>11 | 60<br>20<br>20 | H<br>M<br>M | 0433<br>0432<br>0431 | A515<br>A516<br>A503 | Whipsaw Flats |
| A508 | 231 | 7<br>8 | 60<br>40 | H<br>M | 0433<br>0432 | A508<br>A505 | Whipsaw Flats |
| A506 | 69 | 2<br>1 | 60<br>40 | L<br>M | 0999<br>0999 | A506<br>S055 | Whipsaw Flats |
| A523 | 51 | 10<br>- | 80<br>20 | M<br>- | 0471<br>0816 | A522<br>- | Whipsaw Flats |
| A528 | 24 | 11<br>10<br>- | 50<br>20<br>30 | H<br>M<br>- | 0102<br>0102<br>0816 | A528<br>A524<br>- | Whipsaw Flats |
| C506 | 213 | 1<br>2 | 60<br>40 | L<br>L | 0999<br>0999 | C506<br>C507 | Big Flat-Tenmile |
| C505 | 75 | 7<br>8 | 60<br>40 | M<br>M | 0433<br>0102 | C505<br>P015 | Big Flat-Tenmile |
| C513 | 51 | 7<br>8 | 50<br>50 | L<br>M | 0433<br>0102 | C535<br>C509 | Big Flat-Tenmile |
| B512 | 201 | 2 | 100 | M | 0401 | B512 | Crescent Junction |
| B510 | 824 | 1 | 100 | M | 0432 | B510 | Crescent Junction |
| B508 | 1853 | 6 | 100 | M | 0431 | B508 | Crescent Junction |
| B501 | 2872 | 1<br>2 | 60<br>40 | L<br>L | 0432<br>0401 | B501<br>B505 | Crescent Junction |
| B502 | 3259 | 7<br>8 | 60<br>40 | M<br>M | 0433<br>0432 | B502<br>B503 | Crescent Junction |

PHOTO 3B-1-155 (Cont'd.)

| SWA | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B504 | 286 | 6 | 100 | M | 0102 | B504 | Crescent Junction |
| B509 | 422 | 7 | 40 | M | 0433 | B500 | Crescent Junction |
| | | 3 | 40 | M | 0431 | B506 | |
| | | 11 | 20 | M | 0431 | B507 | |
| B507 | 473 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 20 | M | 0432 | B503 | |
| | | 11 | 20 | M | 0431 | A503 | |
| B505 | 81 | 7 | 80 | M | 0102 | S051 | Crescent Junction |
| | | - | 20 | - | 0816 | - | |
| B506 | 12 | 7 | 50 | M | 0433 | B500 | Crescent Junction |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |

TOTAL ACRES 11,053

PHOTO 3C-1-155

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B500 | 47 | 7 | 75 | M | 0433 | B500 | Crescent Junction |
| | | 8 | 15 | M | 0432 | B503 | |
| | | - | 10 | - | 0801 | - | |
| B502 | 109 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 40 | M | 0432 | B503 | |
| C502 | 23 | 3 | 100 | M | 0431 | C502 | Big Flat-Tenmile |
| C507 | 99 | 7 | 60 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 25 | M | 0102 | S033 | |
| | | - | 15 | - | 0801 | - | |
| C505 | 2239 | 7 | 60 | M | 0433 | C505 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | S033 | |
| C504 | 34 | 7 | 50 | M | 0433 | C501 | Big Flat-Tenmile |
| | | 8 | 30 | M | 0102 | S033 | |
| | | - | 20 | - | 0801 | - | |
| C506 | 5526 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| C512 | 7 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | - | 50 | - | 0801 | - | |
| C520 | 1118 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C521 | 29 | 7 | 80 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 20 | M | 0102 | C509 | |

TOTAL ACRES 9,231

PHOTO 3D-1-155

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B501 | 77 | 1 | 60 | L | 0432 | B501 | Crescent Junction |
| | | 2 | 40 | L | 0401 | B505 | |
| B505 | 39 | 7 | 80 | M | 0102 | S051 | Crescent Junction |
| | | - | 20 | - | 0816 | - | |
| B506 | 4 | 7 | 50 | M | 0433 | B500 | Crescent Junction |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| C525 | 23 | 7 | 50 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| C523 | 167 | 10 | 80 | M | 0431 | C526 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C506 | 1860 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| C524 | 579 | 7 | 40 | L | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C513 | 286 | 7 | 50 | M | 0433 | C535 | Big Flat Tenmile |
| | | 8 | 50 | M | 0102 | C509 | |
| C526 | 963 | 11 | 50 | M | 0102 | C521 | Big Flat-Tenmile |
| | | 10 | 20 | L | 0102 | C520 | |
| | | - | 30 | - | 0816 | - | |
| C530 | 275 | 6 | 85 | M | 0102 | C548 | Big Flat Tenmile |
| | | 10 | 15 | M | 0102 | S055 | |
| C516 | 300 | 10 | 25 | L | 0102 | C520 | Big Flat-Tenmile |
| | | - | 75 | - | 0816 | - | |

PHOTO 3D-1-155 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C529 | 337 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C520 | 2665 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C521 | 658 | 7 | 80 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 20 | M | 0102 | C509 | |
| C531 | 326 | 10 | 60 | M | 0102 | S054 | Big Flat-Tenmile |
| | | 10 | 20 | L | 0102 | S047 | |
| | | - | 20 | - | 0816 | - | |
| C527 | 387 | - | 75 | - | 0816 | - | Big Flat-Tenmile |
| | | 10 | 25 | L | 0102 | C520 | |
| C532 | 122 | 10 | 60 | M | 0102 | S055 | Big Flat-Tenmile |
| | | 10 | 20 | L | 0431 | S053 | |
| | | - | 20 | - | 0816 | - | |
| C528 | 50 | 6 | 100 | M | 0102 | C548 | Big Flat-Tenmile |
| C522 | 167 | 3 | 100 | M | 0431 | S020 | Big Flat-Tenmile |
| A528 | 20 | 11 | 50 | H | 0102 | A528 | Whipsaw Flats |
| | | 10 | 20 | M | 0102 | A524 | |
| | | - | 30 | - | 0816 | - | |

TOTAL ACRES 9,185

PHOTO 3A-1-153

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C506 | 282 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | C507 | |
| C520 | 2576 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C521 | 37 | 7 | 80 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 20 | M | 0102 | C509 | |
| C541 | 283 | 1 | 100 | L | 0433 | D003 | Big Flat-Tenmile |
| C542 | 891 | 8 | 60 | M | 0432 | D004 | Big Flat-Tenmile |
| | | 7 | 30 | M | 0433 | S065 | |
| | | - | 10 | - | 0801 | - | |
| C545 | 32 | 10 | 20 | M | 0461 | D007 | Big Flat-Tenmile |
| | | - | 30 | - | 0816 | - | |
| | | 11 | 50 | M | 0461 | C554 | |
| C547 | 107 | 10 | 80 | M | 0461 | D007 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C546 | 839 | 1 | 60 | L | 0433 | D003 | Big Flat-Tenmile |
| | | 2 | 40 | L | 0999 | D010 | |
| C548 | 235 | 7 | 40 | M | 0432 | D008 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C549 | 288 | 10 | 80 | M | 0102 | D009 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C544 | 70 | 16 | 60 | M | 0461 | C532 | Big Flat-Tenmile |
| | | 17 | 15 | M | 0461 | T022 | |
| | | - | 25 | - | 0816 | - | |

PHOTO 3A-1-153 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C543 | 1060 | 10 | 40 | L | 0102 | C520 | Big Flat-Tenmile |
| | | - | 60 | - | 0816 | - | |
| C550 | 347 | 7 | 40 | M | 0102 | C554 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C540 | 237 | 10 | 10 | M | 0102 | C540 | Big Flat-Tenmile |
| | | 6 | 85 | M | 0102 | D011 | |
| | | - | 5 | - | 0816 | - | |
| C523 | 71 | 10 | 80 | M | 0431 | C526 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C539 | 96 | 8 | 95 | L | 0102 | D012 | Big Flat-Tenmile |
| | | 7 | 5 | M | 0433 | S036 | |

TOTAL ACRES 7,451

PHOTO 3B-1-153

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C520 | 5420 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C521 | 981 | 7 | 80 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 20 | M | 0102 | C509 | |
| C522 | 141 | 3 | 100 | M | 0431 | S020 | Big Flat-Tenmile |
| C523 | 60 | 10 | 80 | M | 0431 | C526 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C524 | 47 | 7 | 40 | L | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C541 | 177 | 1 | 100 | L | 0433 | D003 | Big Flat-Tenmile |
| C542 | 1135 | 8 | 60 | M | 0432 | D004 | Big Flat-Tenmile |
| | | 7 | 30 | M | 0433 | S065 | |
| | | - | 10 | - | 0801 | - | |
| C539 | 98 | 8 | 95 | L | 0102 | D012 | Big Flat-Tenmile |
| | | 7 | 5 | M | 0433 | S036 | |
| C538 | 85 | 8 | 100 | L | 0432 | C565 | Big Flat-Tenmile |
| C537 | 22 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C540 | 14 | 10 | 10 | M | 0102 | C540 | Big Flat-Tenmile |
| | | 6 | 85 | M | 0102 | D011 | |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 8,180

PHOTO 3C-1-153

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C559 | 1470 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C540 | 471 | 10 | 10 | M | 0102 | C540 | Big Flat-Tenmile |
| | | 6 | 85 | M | 0102 | D011 | |
| | | - | 5 | - | 0816 | - | |
| C558 | 61 | 10 | 80 | M | 0301 | C543 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C543 | 201 | 10 | 40 | L | 0102 | C520 | Big Flat-Tenmile |
| | | - | 60 | - | 0816 | - | |
| C544 | 2135 | 16 | 60 | M | 0461 | C532 | Big Flat-Tenmile |
| | | 17 | 15 | M | 0461 | T022 | |
| | | - | 25 | - | 0816 | - | |
| C567 | 207 | 7 | 50 | M | 0102 | C554 | Big Flat-Tenmile |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| C561 | 42 | - | 75 | - | 0816 | - | Big Flat-Tenmile |
| | | 12 | 25 | L | 0499 | C546 | |
| C560 | 1296 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C563 | 750 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |
| C568 | 390 | - | 100 | - | 0816 | - | Big Flat-Tenmile |

PHOTO 3C-1-153 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C562 | 1354 | 16 | 60 | M | 0102 | C534 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T015 | |
| | | - | 20 | - | 0816 | - | |
| C564 | 67 | 17 | 40 | M | 0461 | T022 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0102 | C534 | |
| | | - | 40 | - | 0816 | - | |
| C565 | 322 | 15 | 60 | M | 0446 | T017 | Big Flat-Tenmile |
| | | 17 | 40 | L | 0461 | T018 | |
| C566 | 6 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |

TOTAL ACRES 8,770

PHOTO 3D-1-153

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C520 | 105 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C538 | 296 | 8 | 100 | L | 0432 | C565 | Big Flat-Tenmile |
| C540 | 1087 | 10 | 10 | M | 0102 | C540 | Big Flat-Tenmile |
| | | 6 | 85 | M | 0102 | D011 | |
| | | - | 5 | - | 0816 | - | |
| C566 | 172 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |
| C537 | 439 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C569 | 337 | 5 | 85 | M | 0102 | C557 | Big Flat-Tenmile |
| | | 6 | 10 | M | 0102 | C541 | |
| | | - | 5 | - | 0807 | - | |
| C571 | 1635 | 10 | 65 | M | 0461 | C558 | Big Flat-Tenmile |
| | | 3 | 10 | M | 0431 | S020 | |
| | | - | 25 | - | 0816 | - | |
| C567 | 698 | 7 | 50 | M | 0102 | C554 | Big Flat-Tenmile |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| C559 | 1211 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C568 | 1253 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C565 | 1459 | 15 | 60 | M | 0446 | T017 | Big Flat-Tenmile |
| | | 17 | 40 | L | 0461 | T018 | |

PHOTO 3D-1-153 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C574 | 398 | 15 | 60 | M | 0446 | T017 | Big Flat-Tenmile |
| | | 16 | 35 | M | 0461 | C563 | |
| | | - | 5 | - | 0816 | - | |
| C563 | 425 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |
| C572 | 32 | 17 | 95 | M | 0461 | C560 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C573 | 268 | 6 | 95 | M | 0102 | C541 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C539 | 258 | 8 | 95 | L | 0102 | D012 | Big Flat-Tenmile |
| | | 7 | 5 | M | 0433 | S036 | |
| C544 | 7 | 16 | 60 | M | 0461 | C532 | Big Flat-Tenmile |
| | | 17 | 15 | M | 0461 | T022 | |
| | | - | 25 | - | 0816 | - | |
| C559 | 23 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C529 | 35 | - | 100 | - | 0816 | - | Big Flat-Tenmile |

TOTAL ACRES 10,138

PHOTO 4A-1-195

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| G505 | 76 | 12 | 40 | M | 0477 | G502 | Spring Canyon Bottom |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| C564 | 762 | 17 | 40 | M | 0461 | T022 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0102 | C534 | |
| | | - | 40 | - | 0816 | - | |
| C560 | 2713 | 17 | 95 | M | 0102 | T015 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C589 | 425 | 17 | 70 | M | 0461 | S112 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0461 | T021 | |
| | | - | 10 | - | 0816 | - | |
| C559 | 253 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C565 | 479 | 15 | 60 | M | 0446 | T017 | Big Flat-Tenmile |
| | | 17 | 40 | L | 0461 | T018 | |
| C586 | 1192 | 16 | 50 | M | 0461 | S111 | Big Flat-Tenmile |
| | | - | 40 | - | 0816 | - | |
| | | 15 | 10 | M | 0102 | S211 | |
| C587 | 124 | 15 | 60 | M | 0102 | T019 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0461 | S112 | |
| C583 | 755 | 16 | 60 | M | 0693 | T005 | Big Flat-Tenmile |
| | | - | 40 | - | 0816 | - | |
| C591 | 511 | 15 | 60 | M | 0102 | T013 | Big Flat-Tenmile |
| | | 16 | 35 | M | 0461 | T009 | |
| | | - | 5 | - | 0816 | - | |
| C590 | 458 | 17 | 100 | M | 0102 | T014 | Big Flat-Tenmile |

PHOTO 4A-1-195 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C579 | 44 | 16 | 65 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 10 | M | 0102 | T004 | |
| | | - | 25 | - | 0816 | - | |
| C584 | 38 | 17 | 90 | M | 0102 | S105 | Big Flat-Tenmile |
| | | 16 | 10 | M | 0461 | T021 | |
| C585 | 152 | 17 | 80 | M | 0102 | T001 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0461 | T021 | |

TOTAL ACRES 7,982

PHOTO 4B-1-195

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C565 | 1102 | 15<br>17 | 60<br>40 | M<br>L | 0446<br>0461 | T017<br>T018 | Big Flat-Tenmile |
| C563 | 199 | 17<br>16<br>- | 70<br>25<br>5 | M<br>H<br>- | 0102<br>0102<br>0816 | T015<br>C539<br>- | Big Flat-Tenmile |
| C559 | 1362 | 12<br>11<br>- | 40<br>20<br>40 | L<br>M<br>- | 0471<br>0461<br>0816 | C561<br>C544<br>- | Big Flat-Tenmile |
| C529 | 73 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C581 | 517 | 16<br>17<br>- | 50<br>40<br>10 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C586 | 595 | 16<br>-<br>15 | 50<br>40<br>10 | M<br>-<br>M | 0461<br>0816<br>0102 | S111<br>-<br>S211 | Big Flat-Tenmile |
| C587 | 192 | 15<br>17 | 60<br>40 | M<br>M | 0102<br>0461 | T019<br>S112 | Big Flat-Tenmile |
| C579 | 158 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C582 | 595 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0693 | T004<br>T003 | Big Flat-Tenmile |
| C556 | 435 | 17 | 100 | H | 0461 | C538 | Big Flat-Tenmile |
| C568 | 223 | - | 100 | - | 0816 | - | Big Flat-Tenmile |

PHOTO 4B-1-195 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C583 | 987 | 16<br>- | 60<br>40 | M<br>- | 0693<br>0816 | T005<br>- | Big Flat-Tenmile |
| C579 | 53 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C580 | 393 | 16<br>- | 20<br>80 | M<br>- | 0461<br>0816 | T002<br>- | Big Flat-Tenmile |
| C585 | 337 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0461 | T001<br>T021 | Big Flat-Tenmile |
| C584 | 75 | 17<br>16 | 90<br>10 | M<br>M | 0102<br>0461 | S105<br>T021 | Big Flat-Tenmile |
| C578 | 350 | 12<br>- | 20<br>80 | L<br>- | 0471<br>0816 | C561<br>- | Big Flat-Tenmile |

TOTAL ACRES 7,646

PHOTO 4C-1-195

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C579 | 280 | 16 | 65 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 10 | M | 0102 | T004 | |
| | | - | 25 | - | 0816 | - | |
| C588 | 8412 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C583 | 551 | 16 | 60 | M | 0693 | T005 | Big Flat-Tenmile |
| | | - | 40 | - | 0816 | - | |
| C597 | 100 | 17 | 80 | M | 0461 | T008 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0461 | T009 | |
| C584 | 310 | 17 | 90 | M | 0102 | S105 | Big Flat-Tenmile |
| | | 16 | 10 | M | 0461 | T021 | |
| C559 | 379 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C585 | 79 | 17 | 80 | M | 0102 | T001 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0461 | T021 | |
| C595 | 970 | 16 | 70 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 17 | 30 | M | 0461 | T023 | |
| C592 | 20 | 16 | 35 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 15 | 15 | M | 0102 | T013 | |
| | | - | 50 | - | 0816 | - | |
| C599 | 616 | 17 | 50 | M | 0461 | T008 | Big Flat-Tenmile |
| | | 16 | 50 | M | 0461 | T009 | |
| C596 | 69 | 17 | 80 | M | 0477 | T011 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0693 | T003 | |
| C600 | 17 | 16 | 60 | M | 0461 | T040 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0477 | T041 | |

PHOTO 4C-1-195 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C598 | 216 | 17 | 80 | M | 0461 | T023 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0693 | T005 | |
| C590 | 161 | 17 | 100 | M | 0102 | T014 | Big Flat-Tenmile |
| C581 | 11 | 16 | 50 | M | 0693 | T003 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0102 | T004 | |
| | | - | 10 | - | 0816 | - | |
| G505 | 1223 | 12 | 40 | M | 0477 | G502 | Spring Canyon Bottom |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| H503 | 123 | 12 | 40 | M | 0102 | H504 | Horsethief Point |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |

TOTAL ACRES 13,537

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C583 | 67 | 16<br>- | 60<br>40 | M<br>- | 0693<br>0816 | T005<br>- | Big Flat-Tenmile |
| C584 | 232 | 17<br>16 | 90<br>10 | M<br>M | 0102<br>0461 | S105<br>T021 | Big Flat-Tenmile |
| C582 | 141 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0693 | T004<br>T003 | Big Flat-Tenmile |
| C578 | 786 | 12<br>- | 20<br>80 | L<br>- | 0471<br>0816 | C561<br>- | Big Flat-Tenmile |
| C579 | 119 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C581 | 66 | 16<br>17<br>- | 50<br>40<br>10 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C588 | 5579 | 17<br>16<br>- | 15<br>60<br>25 | M<br>M<br>- | 0102<br>0693<br>0816 | T004<br>T003<br>- | Big Flat-Tenmile |
| C585 | 267 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0461 | T001<br>T021 | Big Flat-Tenmile |
| C595 | 298 | 16<br>17 | 70<br>30 | M<br>M | 0461<br>0461 | T009<br>T023 | Big Flat-Tenmile |
| C600 | 43 | 16<br>17 | 60<br>40 | M<br>M | 0461<br>0477 | T040<br>T041 | Big Flat-Tenmile |
| P504 | 710 | 12<br>- | 25<br>75 | M<br>- | 0102<br>0816 | P504<br>- | Arth's Pasture |

PHOTO 4D-1-195 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| P512 | 572 | 16 | 65 | M | 0693 | P507 | Arth's Pasture |
| | | 17 | 10 | M | 0102 | T024 | |
| | | - | 25 | - | 0816 | - | |
| P507 | 225 | 17 | 80 | M | 0102 | T024 | Arth's Pasture |
| | | 16 | 20 | M | 0693 | P507 | |
| P505 | 22 | 15 | 40 | M | 0102 | P505 | Arth's Pasture |
| | | 16 | 40 | M | 0693 | P507 | |
| | | - | 20 | - | 0816 | - | |

TOTAL ACRES 9,127

PHOTO 4A-1-193

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| H503 | 792 | 12 | 40 | M | 0102 | H504 | Horsethief Point |
| | | 7 | 20 | M | 0431 | F516 | |
| | | - | 40 | - | 0816 | - | |
| C588 | 8417 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C595 | 151 | 16 | 70 | M | 0461 | T009 | Big Flat-Tenmile |
| | | 17 | 30 | M | 0461 | T023 | |
| C600 | 233 | 16 | 60 | M | 0461 | T040 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0477 | T041 | |
| C612 | 325 | 16 | 75 | M | 0461 | C519 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T052 | |
| | | - | 5 | - | 0816 | - | |
| C613 | 114 | 12 | 50 | L | 0471 | C561 | Big Flat-Tenmile |
| | | - | 50 | - | 0816 | - | |
| C611 | 272 | 17 | 75 | M | 0102 | T053 | Big Flat-Tenmile |
| | | 16 | 25 | M | 0102 | T044 | |
| C610 | 472 | 17 | 75 | M | 0477 | T046 | Big Flat-Tenmile |
| | | 16 | 20 | M | 0102 | T044 | |
| | | - | 5 | - | 0816 | - | |
| C559 | 927 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C607 | 341 | 17 | 75 | H | 0102 | T043 | Big Flat-Tenmile |
| | | 16 | 25 | M | 0102 | T044 | |
| C606 | 602 | 17 | 75 | M | 0461 | T042 | Big Flat-Tenmile |
| | | 16 | 25 | M | 0102 | T044 | |

PHOTO 4A-1-193 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C609 | 610 | 17 | 100 | M | 0102 | T047 | Big Flat-Tenmile |
| C608 | 305 | 17<br>- | 95<br>5 | M<br>- | 0461<br>0816 | T048<br>- | Big Flat-Tenmile |
| C604 | 292 | 17 | 100 | M | 0102 | T027 | Big Flat-Tenmile |

TOTAL ACRES 13,853

PHOTO 4B-1-193

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C600 | 327 | 16 | 60 | M | 0461 | T040 | Big Flat-Tenmile |
| | | 17 | 40 | M | 0477 | T041 | |
| C588 | 3091 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C601 | 1003 | 14 | 40 | M | 0441 | T032 | Big Flat-Tenmile |
| | | 17 | 60 | M | 0102 | T033 | |
| C604 | 3118 | 17 | 100 | M | 0102 | T027 | Big Flat-Tenmile |
| C606 | 102 | 17 | 75 | M | 0461 | T042 | Big Flat-Tenmile |
| | | 16 | 25 | M | 0102 | T044 | |
| C603 | 135 | 17 | 100 | L | 0102 | T036 | Big Flat-Tenmile |
| C605 | 125 | 17 | 100 | L | 0102 | T030 | Big Flat-Tenmile |
| Q500 | 191 | 12 | 40 | M | 0102 | P504 | Potash |
| | | 7 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |

TOTAL ACRES 8,092

PHOTO 3C-1-145

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B512 | 206 | 2 | 100 | M | 0401 | B512 | Crescent Junction |
| B508 | 502 | 6 | 100 | M | 0431 | B508 | Crescent Junction |
| B503 | 538 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 25 | M | 0432 | B503 | |
| | | - | 15 | - | 0801 | - | |
| B507 | 113 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 20 | M | 0432 | B503 | |
| | | 11 | 20 | M | 0431 | A503 | |
| A501 | 23 | 6 | 100 | M | 0102 | A501 | Whipsaw Flats |
| A502 | 138 | - | 100 | - | 0812 | - | Whipsaw Flats |
| A503 | 132 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 20 | M | 0432 | A516 | |
| | | 11 | 20 | M | 0431 | A503 | |
| A504 | 281 | 7 | 65 | M | 0433 | A504 | Whipsaw Flats |
| | | - | 35 | - | 0801 | - | |
| A505 | 91 | 3 | 100 | M | 0431 | S020 | Whipsaw Flats |
| A506 | 349 | 2 | 60 | L | 0999 | A506 | Whipsaw Flats |
| | | 1 | 40 | M | 0999 | S025 | |
| A508 | 1314 | 7 | 60 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 40 | M | 0432 | A505 | |

TOTAL ACRES 3,687

PHOTO 3D-1-145

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A508 | 750 | 7 | 60 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 40 | M | 0432 | A505 | |
| A504 | 147 | 7 | 65 | M | 0433 | A504 | Whipsaw Flats |
| | | - | 35 | - | 0801 | - | |
| A512 | 46 | 7 | 60 | M | 0433 | A515 | Whipsaw Flats |
| | | 8 | 20 | M | 0432 | A516 | |
| | | 11 | 20 | M | 0431 | A512 | |
| A505 | 31 | 3 | 100 | M | 0431 | S020 | Whipsaw Flats |
| A514 | 360 | 2 | 60 | L | 0999 | A506 | Whipsaw Flats |
| | | 1 | 40 | L | 0433 | A514 | |
| A515 | 32 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 10 | - | 0801 | - | |
| I503 | 42 | 8 | 70 | H | 0432 | I505 | Monument Wash |
| | | 7 | 30 | M | 0433 | I514 | |
| I510 | 71 | 7 | 50 | M | 0433 | I515 | Monument Wash |
| | | 8 | 30 | M | 0432 | I516 | |
| | | - | 20 | - | 0801 | - | |

TOTAL ACRES 1,479

PHOTO 3A-1-147

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| B507 | 56 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 20 | M | 0432 | B503 | |
| | | 11 | 20 | M | 0431 | A503 | |
| B502 | 1021 | 7 | 60 | M | 0433 | B502 | Crescent Junction |
| | | 8 | 40 | M | 0432 | B503 | |
| B501 | 222 | 1 | 60 | L | 0432 | B501 | Crescent Junction |
| | | 2 | 40 | L | 0401 | B505 | |
| A505 | 215 | 3 | 100 | M | 0431 | S020 | Whipsaw Flats |
| A504 | 17 | 7 | 65 | M | 0433 | A504 | Whipsaw Flats |
| | | - | 35 | - | 0801 | - | |
| A503 | 262 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 20 | M | 0432 | A516 | |
| | | 11 | 20 | M | 0431 | A503 | |
| A508 | 3833 | 7 | 60 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 40 | M | 0432 | A505 | |
| A506 | 1300 | 2 | 60 | L | 0999 | A506 | Whipsaw Flats |
| | | 1 | 40 | M | 0999 | S025 | |
| A523 | 138 | 10 | 80 | M | 0471 | A522 | Whipsaw Flats |
| | | - | 20 | - | 0816 | - | |
| A528 | 275 | 11 | 50 | H | 0102 | A528 | Whipsaw Flats |
| | | 10 | 20 | M | 0102 | A524 | |
| | | - | 30 | - | 0816 | - | |
| A519 | 164 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 11 | 20 | H | 0431 | A519 | |
| | | - | 20 | - | 0801 | - | |
| A515 | 90 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 10 | - | 0801 | - | |

PHOTO 3A-1-147 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A507 | 489 | 8 | 60 | M | 0433 | A507 | Whipsaw Flats |
| | | 7 | 40 | H | 0433 | A508 | |
| A516 | 129 | 7 | 40 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 30 | - | 0801 | - | |
| A510 | 42 | 6 | 100 | M | 0431 | A510 | Whipsaw Flats |
| A509 | 123 | 6 | 100 | L | 0102 | S026 | Whipsaw Flats |
| A529 | 314 | 2 | 60 | L | 0433 | A529 | Whipsaw Flats |
| | | 1 | 40 | L | 0101 | S007 | |
| A521 | 182 | 8 | 100 | L | 0102 | A518 | Whipsaw Flats |

TOTAL ACRES 8,872

PHOTO 3B-1-147

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I510 | 56 | 7 | 50 | M | 0433 | I515 | Mounument Wash |
| | | 8 | 30 | M | 0432 | I516 | |
| | | - | 20 | - | 0801 | - | |
| I505 | 19 | 2 | 60 | L | 0433 | I507 | Monument Wash |
| | | 1 | 40 | L | 0432 | I502 | |
| A504 | 196 | 7 | 65 | M | 0433 | A504 | Whipsaw Flats |
| | | - | 35 | - | 0801 | - | |
| A508 | 6597 | 7 | 60 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 40 | M | 0432 | A505 | |
| A513 | 832 | 1 | 60 | M | 0415 | A513 | Whipsaw Flats |
| | | 2 | 40 | L | 0999 | A506 | |
| A515 | 254 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 10 | - | 0801 | - | |
| A517 | 174 | 7 | 70 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 30 | H | 0102 | A517 | |
| A529 | 72 | 2 | 60 | L | 0433 | A529 | Whipsaw Flats |
| | | 1 | 40 | L | 0901 | S007 | |
| A512 | 5 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 20 | M | 0432 | A516 | |
| | | 11 | 20 | M | 0431 | A512 | |
| A507 | 552 | 8 | 60 | M | 0433 | A507 | Whipsaw Flats |
| | | 7 | 40 | H | 0433 | A508 | |
| A514 | 35 | 2 | 60 | L | 0999 | A506 | Whipsaw Flats |
| | | 1 | 40 | L | 0433 | A514 | |

PHOTO 3B-1-147 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A505 | 30 | 3 | 100 | M | 0431 | S020 | Whipsaw Flats |

TOTAL ACRES 8,822

PHOTO 3C-1-147

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A528 | 1123 | 11 | 50 | H | 0102 | A528 | Whipsaw Flats |
| | | 10 | 20 | M | 0102 | A524 | |
| | | - | 30 | - | 0816 | - | |
| A522 | 342 | 10 | 80 | M | 0471 | A522 | Whipsaw Flats |
| | | - | 20 | - | 0816 | - | |
| A510 | 73 | 6 | 100 | M | 0431 | A510 | Whipsaw Flats |
| A516 | 7 | 7 | 40 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 30 | - | 0801 | - | |
| A521 | 138 | 8 | 100 | L | 0102 | A518 | Whipsaw Flats |
| A529 | 49 | 2 | 60 | L | 0433 | A529 | Whipsaw Flats |
| | | 1 | 40 | L | 0901 | S007 | |
| A520 | 375 | 6 | 70 | M | 0102 | A520 | Whipsaw Flats |
| | | 6 | 30 | L | 0101 | A521 | |
| A530 | 315 | - | 60 | - | 0816 | - | Whipsaw Flats |
| | | 10 | 40 | M | 0102 | A524 | |
| A527 | 494 | - | 75 | - | 0816 | - | Whipsaw Flats |
| | | 10 | 25 | L | 0461 | A527 | |
| A524 | 118 | 10 | 80 | M | 0102 | A524 | Whipsaw Flats |
| | | - | 20 | - | 0816 | - | |
| A531 | 674 | - | 100 | - | 0816 | - | |
| C513 | 40 | 7 | 50 | L | 0433 | C535 | Big Flat-Tenmile |
| | | 8 | 50 | M | 0102 | C509 | |

PHOTO 3C-1-147 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C506 | 146 | 1<br>2 | 60<br>40 | L<br>L | 0999<br>0999 | C506<br>C507 | Big Flat-Tenmile |
| C519 | 1100 | 6 | 100 | M | 0102 | C552 | Big Flat-Tenmile |
| C526 | 1400 | 11<br>10<br>- | 50<br>20<br>30 | M<br>L<br>- | 0102<br>0102<br>0816 | C521<br>C520<br>- | Big Flat-Tenmile |
| C535 | 115 | 8<br>7 | 75<br>25 | M<br>M | 0102<br>0433 | C551<br>S036 | Big Flat-Tenmile |
| C534 | 340 | -<br>10 | 75<br>25 | -<br>L | 0816<br>0461 | -<br>A527 | Big Flat-Tenmile |
| C533 | 96 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | C553<br>- | Big Flat-Tenmile |
| C516 | 27 | 10<br>- | 25<br>75 | L<br>- | 0102<br>0816 | C520<br>- | Big Flat-Tenmile |
| C527 | 1405 | -<br>10 | 75<br>25 | -<br>L | 0816<br>0102 | -<br>C520 | Big Flat-Tenmile |
| C529 | 229 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C524 | 95 | 7<br>-<br>- | 40<br>30<br>30 | L<br>-<br>- | 0301<br>0801<br>0816 | P019<br>-<br>- | Big Flat-Tenmile |
| C528 | 131 | 6 | 100 | M | 0102 | C548 | Big Flat-Tenmile |
| C518 | 100 | 1 | 100 | L | 0999 | C506 | Big Flat-Tenmile |

TOTAL ACRES 7,527

PHOTO 3D-1-147

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C519 | 140 | 6 | 100 | M | 0102 | C552 | Big Flat-Tenmile |
| C533 | 32 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | C553<br>- | Big Flat-Tenmile |
| C534 | 43 | -<br>10 | 75<br>25 | -<br>L | 0816<br>0461 | -<br>A527 | Big Flat-Tenmile |
| A507 | 288 | 8<br>7 | 60<br>40 | M<br>H | 0433<br>0433 | A507<br>A508 | Whipsaw Flats |
| A516 | 175 | 7<br>8<br>- | 40<br>30<br>30 | H<br>M<br>- | 0433<br>0432<br>0801 | A515<br>A516<br>- | Big Flat-Tenmile |
| A521 | 431 | 8 | 100 | L | 0102 | A518 | Whipsaw Flats |
| A518 | 209 | 7<br>8 | 50<br>50 | H<br>M | 0433<br>0432 | A508<br>A505 | Whipsaw Flats |
| A529 | 359 | 2<br>1 | 60<br>40 | L<br>L | 0433<br>0901 | A529<br>S007 | Whipsaw Flats |
| A524 | 696 | 10<br>- | 80<br>20 | M<br>- | 0102<br>0816 | A524<br>- | Whipsaw Flats |
| A520 | 484 | 6<br>6 | 70<br>30 | M<br>L | 0102<br>0101 | A520<br>A521 | Whipsaw Flats |
| A510 | 13 | 6 | 100 | M | 0431 | A510 | Whipsaw Flats |
| A530 | 918 | -<br>10 | 60<br>40 | -<br>M | 0816<br>0102 | -<br>A524 | Whipsaw Flats |
| A528 | 400 | 11<br>10<br>- | 50<br>20<br>30 | H<br>M<br>- | 0102<br>0102<br>0816 | A528<br>A524<br>- | Whipsaw Flats |

PHOTO 3D-1-147 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A532 | 492 | 10 | 80 | M | 0431 | A532 | Whipsaw Flats |
| | | - | 20 | - | 0816 | - | |
| A525 | 113 | 7 | 50 | M | 0471 | A525 | Whipsaw Flats |
| | | - | 30 | - | 0801 | - | |
| | | - | 20 | - | 0816 | - | |
| A531 | 655 | - | 100 | - | 0816 | - | Whipsaw Flats |

TOTAL ACRES 5,448

PHOTO 3A-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C524 | 789 | 7 | 40 | L | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C528 | 991 | 6 | 100 | M | 0102 | C548 | Big Flat-Tenmile |
| C527 | 1561 | - | 75 | - | 0816 | - | Big Flat-Tenmile |
| | | 10 | 25 | L | 0102 | C520 | |
| C529 | 1075 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C526 | 108 | 11 | 50 | M | 0102 | C521 | Big Flat-Tenmile |
| | | 10 | 20 | L | 0102 | C520 | |
| | | - | 30 | - | 0816 | - | |
| C522 | 69 | 3 | 100 | M | 0431 | S020 | Big Flat-Tenmile |
| C533 | 1536 | 10 | 80 | M | 0461 | C553 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C536 | 453 | 8 | 40 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C520 | 646 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C538 | 39 | 8 | 100 | L | 0432 | C565 | Big Flat-Tenmile |
| C537 | 370 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |

TOTAL ACRES 7,637

PHOTO 3B-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | EAF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C526 | 37 | 11 | 50 | M | 0102 | C521 | Big Flat-Tenmile |
| | | 10 | 20 | L | 0102 | C520 | |
| | | - | 30 | - | 0816 | - | |
| C519 | 102 | 6 | 100 | M | 0102 | C552 | Big Flat-Tenmile |
| C529 | 41 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C527 | 235 | - | 75 | - | 0816 | - | Big Flat-Tenmile |
| | | 10 | 25 | L | 0102 | C520 | |
| C528 | 84 | 6 | 100 | M | 0102 | C548 | Big Flat-Tenmile |
| C533 | 39 | 10 | 80 | M | 0461 | C553 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |

TOTAL ACRES 538

PHOTO 3C-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| N504 | 220 | 2 | 100 | M | 0401 | N504 | Willow Flat |
| N502 | 72 | 5 | 100 | L | 0446 | N502 | Willow Flat |
| N501 | 234 | 6 | 100 | M | 0301 | N501 | Willow Flat |
| N511 | 42 | - | 100 | - | 0801 | - | Willow Flat |
| N503 | 301 | 10 | 80 | M | 0461 | N503 | Willow Flat |
| | | - | 20 | - | 0816 | - | |
| N510 | 137 | 7 | 40 | H | 0102 | N510 | Willow Flat |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| N509 | 44 | 12 | 20 | M | 0102 | N509 | Willow Flat |
| | | - | 80 | - | 0816 | - | |
| C538 | 22 | 8 | 100 | L | 0432 | C565 | Big Flat-Tenmile |
| C520 | 11 | 7 | 60 | M | 0433 | C508 | Big Flat-Tenmile |
| | | 8 | 40 | M | 0102 | C509 | |
| C569 | 111 | 5 | 85 | M | 0102 | C557 | Big Flat-Tenmile |
| | | 6 | 10 | M | 0102 | C541 | |
| | | - | 5 | - | 0807 | - | |
| C537 | 580 | 1 | 60 | L | 0901 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C559 | 73 | 12 | 40 | L | 0471 | C561 | Big Flat-Tenmile |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| C533 | 1755 | 10 | 80 | M | 0461 | C553 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |

PHOTO 3C-1-149 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C524 | 34 | 7 | 40 | L | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C536 | 1055 | 7 | 40 | M | 0301 | P019 | Big Flat-Tenmile |
| | | - | 30 | - | 0801 | - | |
| | | - | 30 | - | 0816 | - | |
| C552 | 112 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |
| C576 | 56 | 5 | 100 | L | 0446 | C559 | Big Flat-Tenmile |
| C540 | 366 | 10 | 10 | M | 0102 | C540 | Big Flat-Tenmile |
| | | 6 | 85 | M | 0102 | D011 | |
| | | - | 5 | - | 0816 | - | |
| C571 | 288 | 10 | 65 | M | 0461 | C558 | Big Flat-Tenmile |
| | | 3 | 10 | M | 0431 | S020 | |
| | | - | 25 | - | 0816 | - | |
| C567 | 188 | 7 | 50 | M | 0102 | C554 | Big Flat-Tenmile |
| | | - | 35 | - | 0801 | - | |
| | | - | 15 | - | 0816 | - | |
| C570 | 1018 | 10 | 80 | M | 0461 | C558 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C568 | 499 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C572 | 153 | 17 | 95 | M | 0461 | C560 | Big Flat-Tenmile |
| | | - | 5 | - | 0816 | - | |
| C563 | 316 | 17 | 70 | M | 0102 | T015 | Big Flat-Tenmile |
| | | 16 | 25 | H | 0102 | C539 | |
| | | - | 5 | - | 0816 | - | |

PHOTO 3C-1-149 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C577 | 266 | 11<br>- | 50<br>50 | M<br>- | 0461<br>0816 | C544<br>- | Big Flat-Tenmile |
| C561 | 199 | -<br>12 | 75<br>25 | -<br>L | 0816<br>0499 | -<br>C546 | Big Flat-Tenmile |
| C529 | 196 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C517 | 34 | - | 100 | - | 0801 | - | Big Flat-Tenmile |
| C575 | 10 | 17 | 100 | M | 0461 | C560 | Big Flat-Tenmile |

TOTAL ACRES 8,392

PHOTO 3D-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| N504 | 205 | 2 | 100 | M | 0401 | N504 | Willow Flat |
| N501 | 204 | 6 | 100 | M | 0301 | N501 | Willow Flat |
| N503 | 575 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N503<br>- | Willow Flat |
| N502 | 14 | 5 | 100 | L | 0446 | N502 | Willow Flat |
| N510 | 111 | 7<br>-<br>- | 40<br>30<br>30 | H<br>-<br>- | 0102<br>0801<br>0816 | N510<br>-<br>- | Willow Flat |
| N514 | 406 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N506<br>- | Willow Flat |
| N512 | 548 | - | 100 | - | 0816 | - | Willow Flat |
| N515 | 53 | 10<br>- | 70<br>30 | M<br>- | 0461<br>0816 | N503<br>- | Willow Flat |
| C533 | 1035 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | C553<br>- | Big Flat-Tenmile |
| C528 | 11 | 6 | 100 | M | 0102 | C548 | Big Flat-Tenmile |
| C529 | 3 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C536 | 577 | 7<br>-<br>- | 40<br>30<br>30 | M<br>-<br>- | 0301<br>0801<br>0816 | P019<br>-<br>- | Big Flat-Tenmile |
| C527 | 347 | -<br>10 | 75<br>25 | -<br>L | 0816<br>0102 | -<br>C520 | Big Flat-Tenmile |

PHOTO 3D-1-149 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C562 | 164 | 16 | 60 | M | 0102 | C534 | Big Flat-Tenmile |
| | | 17 | 20 | M | 0102 | T015 | |
| | | - | 20 | - | 0816 | - | |
| C568 | 469 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C557 | 1164 | 10 | 25 | M | 0431 | C545 | Big Flat-Tenmile |
| | | - | 75 | - | 0816 | - | |
| C522 | 531 | 3 | 100 | M | 0431 | S020 | Big Flat-Tenmile |
| C570 | 5 | 10 | 80 | M | 0461 | C558 | Big Flat-Tenmile |
| | | - | 20 | - | 0816 | - | |
| C576 | 36 | 5 | 100 | L | 0446 | C559 | Big Flat-Tenmile |
| C537 | 159 | 1 | 60 | L | 0999 | C506 | Big Flat-Tenmile |
| | | 2 | 40 | M | 0401 | C550 | |
| C552 | 583 | 6 | 100 | M | 0102 | C541 | Big Flat-Tenmile |

TOTAL ACRES 7,200

PHOTO 4A-1-148

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C575 | 827 | 17 | 100 | M | 0461 | C560 | Big Flat-Tenmile |
| C561 | 9 | -<br>12 | 75<br>25 | -<br>L | 0816<br>0499 | -<br>C546 | Big Flat-Tenmile |
| C568 | 1261 | - | 100 | - | 0816 | - | Big Flat-Tenmile |
| C563 | 1230 | 17<br>16<br>- | 70<br>25<br>5 | M<br>H<br>- | 0102<br>0102<br>0816 | T015<br>C539<br>- | Big Flat-Tenmile |
| C578 | 1181 | 12<br>- | 20<br>80 | L<br>- | 0471<br>0816 | C561<br>- | Big Flat-Tenmile |
| C581 | 103 | 16<br>17<br>- | 50<br>40<br>10 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C580 | 92 | 16<br>- | 20<br>80 | M<br>- | 0461<br>0816 | T002<br>- | Big Flat-Tenmile |
| C579 | 23 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C537 | 36 | 1<br>2 | 60<br>40 | L<br>M | 0999<br>0401 | C506<br>C550 | |
| N509 | 301 | 12<br>- | 20<br>80 | M<br>- | 0102<br>0816 | N509<br>- | Willow Flat |
| N510 | 13 | 7<br>-<br>- | 40<br>30<br>30 | H<br>-<br>- | 0102<br>0801<br>0816 | N510<br>-<br>- | Willow Flat |
| N501 | 32 | 6 | 100 | M | 0301 | N501 | Willow Plat |

PHOTO 4A-1-148 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| N503 | 360 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N503<br>- | Willow Flat |
| N506 | 86 | 10<br>- | 60<br>40 | M<br>- | 0461<br>0816 | N506<br>- | Willow Flat |
| N505 | 221 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N505<br>- | Willow Flat |
| N504 | 59 | 2 | 100 | M | 0401 | N504 | Willow Flat |
| P510 | 12 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N503<br>- | Arth's Pasture |
| P502 | 132 | 6 | 100 | M | 0102 | P502 | Arth's Pasture |
| P501 | 371 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | P501<br>- | Arth's Pasture |
| P504 | 639 | 12<br>- | 25<br>75 | M<br>- | 0102<br>0816 | P504<br>- | Arth's Pasture |
| P511 | 667 | - | 100 | - | 0816 | - | Arth's Pasture |
| P508 | 173 | 17<br>16 | 60<br>40 | M<br>M | 0102<br>0461 | T025<br>P506 | Arth's Pasture |
| P506 | 654 | 16<br>- | 75<br>25 | M<br>- | 0693<br>0816 | P507<br>- | Arth's Pasture |
| P503 | 143 | 2 | 100 | M | 0401 | P503 | Arth's Pasture |

TOTAL ACRES 8,625

PHOTO 4B-1-148

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| P510 | 3 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N503<br>- | Arth's Pasture |
| P503 | 6 | 2 | 100 | M | 0401 | P503 | Arth's Pasture |
| P502 | 94 | 6 | 100 | M | 0102 | P502 | Arth's Pasture |
| P501 | 318 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | P501<br>- | Arth's Pasture |
| P504 | 417 | 12<br>- | 25<br>75 | M<br>- | 0102<br>0816 | P504<br>- | Arth's Pasture |
| P511 | 317 | - | 100 | - | 0816 | - | Arth's Pasture |
| P513 | 47 | 4<br>7<br>- | 50<br>30<br>20 | M<br>M<br>- | 0431<br>0433<br>0816 | M508<br>C537<br>- | Arth's Pasture |
| N503 | 499 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | N503<br>- | Willow Flat |
| N506 | 29 | 10<br>- | 60<br>40 | M<br>- | 0461<br>0816 | N506<br>- | Willow Flat |
| N510 | 134 | 7<br>-<br>- | 40<br>30<br>30 | H<br>-<br>- | 0102<br>0801<br>0816 | N510<br>-<br>- | Willow Flat |
| N501 | 506 | 6 | 100 | M | 0301 | N501 | Willow Flat |
| N504 | 25 | 2 | 100 | M | 0401 | N504 | Willow Flat |
| N507 | 105 | 5 | 100 | L | 0301 | N507 | Willow Flat |

PHOTO 4B-1-148 (Cont'd.)

| SWA # | SWA ACRE | RS# | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| N509 | 375 | 12 | 20 | M | 0102 | N509 | Willow Flat |
| | | - | 80 | - | 0816 | - | |
| N512 | 709 | - | 100 | - | 0816 | - | Willow Flat |
| N508 | 630 | 4 | 100 | M | 0431 | N508 | |
| N505 | 289 | 10 | 80 | M | 0461 | N505 | Willow Flat |
| | | - | 20 | - | 0816 | - | |
| N513 | 139 | 4 | 50 | M | 0431 | N508 | Willow Flat |
| | | 7 | 30 | M | 0433 | 0537 | |
| | | - | 20 | - | 0816 | - | |

TOTAL ACRES 4,642

PHOTO 4A-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| C579 | 20 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | T003<br>T004<br>- | Big Flat-Tenmile |
| C578 | 56 | 12<br>- | 20<br>80 | L<br>- | 0471<br>0816 | C561<br>- | Big Flat-Tenmile |
| P504 | 2082 | 12<br>- | 25<br>75 | M<br>- | 0102<br>0816 | P504<br>- | Arth's Pasture |
| P506 | 1826 | 16<br>- | 75<br>25 | M<br>- | 0693<br>0816 | P507<br>- | Arth's Pasture |
| P508 | 2092 | 17<br>16 | 60<br>40 | M<br>M | 0102<br>0461 | T025<br>P506 | Arth's Pasture |
| P511 | 1463 | - | 100 | - | 0816 | - | Arth's Pasture |
| P505 | 317 | 15<br>16<br>- | 40<br>40<br>20 | M<br>M<br>- | 0102<br>0693<br>0816 | P505<br>P507<br>- | Arth's Pasture |
| P509 | 261 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0693 | T026<br>P507 | Arth's Pasture |
| P507 | 54 | 17<br>16 | 80<br>20 | M<br>M | 0102<br>0693 | T024<br>P507 | Arth's Pasture |
| C588 | 683 | 17<br>16<br>- | 15<br>60<br>25 | M<br>M<br>- | 0102<br>0693<br>0816 | T004<br>T003<br>- | Big Flat-Tenmile |
| C578 | 865 | 12<br>- | 20<br>80 | L<br>- | 0471<br>0816 | C561<br>- | Big Flat-Tenmile |

TOTAL ACRES 9,619

PHOTO 4B-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| N513 | 55 | 4<br>7<br>- | 50<br>30<br>20 | M<br>M<br>- | 0431<br>0433<br>0816 | N508<br>0537<br>- | Willow Flat |
| N509 | 85 | 12<br>- | 20<br>80 | M<br>- | 0102<br>0816 | N509<br>- | Willow Flat |
| P504 | 4070 | 12<br>- | 25<br>75 | M<br>- | 0102<br>0816 | P504<br>- | Arth's Pasture |
| P511 | 5401 | - | 100 | - | 0816 | - | Arth's Pasture |
| P501 | 143 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | P501<br>- | Arth's Pasture |
| P502 | 127 | 6 | 100 | M | 0102 | P502 | Arth's Pasture |
| P506 | 37 | 16<br>- | 75<br>25 | M<br>- | 0693<br>0816 | P507<br>- | Arth's Pasture |
| P512 | 94 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0693<br>0102<br>0816 | P507<br>T024<br>- | Arth's Pasture |
| P513 | 127 | 4<br>7<br>- | 50<br>30<br>20 | M<br>M<br>- | 0431<br>0433<br>0816 | M508<br>C537<br>- | Arth's Pasture |
| P515 | 260 | 13 | 100 | M | 0401 | H505 | Arth's Pasture |

TOTAL ACRES 10,399

PHOTO 4C-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| P504 | 480 | 12 | 25 | M | 0102 | P504 | Arth's Pasture |
| | | - | 75 | - | 0816 | - | |
| P512 | 199 | 16 | 65 | M | 0693 | P507 | Arth's Pasture |
| | | 17 | 10 | M | 0102 | T024 | |
| | | - | 25 | - | 0816 | T024 | |
| P514 | 11 | 12 | 40 | M | 0102 | N509 | Arth's Pasture |
| | | 7 | 20 | M | 0461 | C594 | |
| | | - | 40 | - | 0816 | - | |
| Q500 | 2150 | 11 | 20 | M | 0461 | C544 | Potash |
| | | 12 | 40 | M | 0102 | P504 | |
| | | - | 40 | - | 0816 | - | |
| Q501 | 8 | - | 100 | - | 0816 | - | Potash |
| C578 | 103 | 12 | 20 | L | 0471 | C561 | Big Flat-Tenmile |
| | | - | 80 | - | 0816 | - | |
| C588 | 1531 | 17 | 15 | M | 0102 | T004 | Big Flat-Tenmile |
| | | 16 | 60 | M | 0693 | T003 | |
| | | - | 25 | - | 0816 | - | |
| C601 | 1439 | 14 | 40 | M | 0441 | T032 | Big Flat-Tenmile |
| | | 17 | 60 | M | 0102 | T033 | |
| C602 | 141 | 17 | 100 | L | 0901 | T036 | Big Flat-Tenmile |

TOTAL ACRES 6,062

PHOTO 4D-1-149

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| P512 | 402 | 16 | 65 | M | 0693 | P507 | Arth's Pasture |
| | | 17 | 10 | M | 0102 | T024 | |
| | | - | 25 | - | 0816 | - | |
| P514 | 281 | 12 | 40 | M | 0102 | N509 | Arth's Pasture |
| | | 7 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| P511 | 1382 | - | 100 | - | 0816 | - | Arth's Pasture |
| P504 | 881 | 12 | 25 | M | 0102 | P504 | Arth's Pasture |
| | | - | 75 | - | 0816 | - | |
| Q500 | 700 | 12 | 40 | M | 0102 | P504 | Potash |
| | | 11 | 20 | M | 0461 | C544 | |
| | | - | 40 | - | 0816 | - | |
| Q501 | 185 | - | 100 | - | 0816 | - | Potash |

TOTAL ACRES 3,831

PHOTO 3C-1-115

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I521 | 729 | 8 | 60 | M | 0432 | I529 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| I520 | 407 | 7 | 50 | M | 0433 | I527 | Monument Wash |
| | | 3 | 40 | M | 0431 | I501 | |
| | | - | 10 | - | 0801 | - | |
| I519 | 306 | 2 | 100 | L | 0999 | I526 | Monument Wash |
| I522 | 138 | 7 | 60 | H | 0433 | I530 | Monument Wash |
| | | 3 | 30 | M | 0102 | I531 | |
| | | - | 10 | - | 0801 | - | |
| I507 | 420 | 3 | 40 | M | 0415 | I509 | Monument Wash |
| | | 8 | 50 | M | 0102 | I510 | |
| | | - | 10 | - | 0801 | - | |
| I502 | 764 | 1 | 50 | L | 0999 | I502 | Monument Wash |
| | | 2 | 50 | L | 0401 | I503 | |
| I506 | 85 | 8 | 65 | H | 0432 | I508 | Monument Wash |
| | | 7 | 35 | M | 0433 | I504 | |
| I510 | 30 | 7 | 50 | M | 0433 | I515 | Monument Wash |
| | | 8 | 30 | M | 0432 | I516 | |
| | | - | 20 | - | 0801 | - | |
| I512 | 102 | 2 | 100 | M | 0401 | I518 | Monument Wash |
| I509 | 725 | 7 | 50 | M | 0433 | I514 | Monument Wash |
| | | 8 | 50 | M | 0432 | I511 | |
| I528 | 348 | 6 | 100 | M | 0431 | I522 | Monument Wash |
| I527 | 229 | 6 | 100 | L | 0102 | I539 | Monument Wash |

PHOTO 3C-1-115 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I513 | 913 | 10 | 75 | M | 0461 | I540 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |
| I515 | 9 | 7 | 70 | M | 0461 | I521 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I532 | 175 | 10 | 80 | M | 0102 | I524 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| I533 | 64 | - | 100 | - | 0801 | - | Monument Wash |
| I530 | 166 | 8 | 80 | M | 0432 | I529 | Monument Wash |
| | | 7 | 20 | M | 0432 | I532 | |
| I531 | 46 | 7 | 50 | M | 0432 | I532 | Monument Wash |
| | | - | 50 | - | 0801 | - | |
| I508 | 1832 | 8 | 60 | M | 0432 | I511 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| K525 | 177 | - | 100 | - | 0801 | - | Highlands |
| K506 | 37 | 8 | 60 | M | 0432 | K512 | Highlands |
| | | 7 | 40 | L | 0433 | K511 | |
| K530 | 112 | 6 | 100 | L | 0102 | I539 | Highlands |
| K531 | 67 | 6 | 100 | M | 0102 | K529 | Highlands |
| K517 | 29 | 7 | 50 | M | 0431 | K528 | Highlands |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |
| K529 | 63 | 1 | 50 | L | 0432 | I502 | Highlands |
| | | 2 | 50 | L | 0401 | I503 | |

PHOTO 3C-1-115 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K507 | 23 | 7 | 50 | M | 0432 | K513 | Highlands |
| | | - | 50 | - | 0801 | - | |
| K528 | 103 | 10 | 75 | M | 0461 | K527 | Highlands |
| | | - | 25 | - | 0816 | - | |
| K504 | 2 | 8 | 60 | M | 0432 | K508 | Highlands |
| | | 7 | 40 | L | 0433 | K511 | |
| K526 | 6 | 10 | 80 | M | 0461 | K527 | Highlands |
| | | - | 20 | - | 0816 | - | |

TOTAL ACRES 8,107

PHOTO 3D-1-115

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K504 | 2118 | 8<br>7 | 60<br>40 | M<br>L | 0432<br>0433 | K508<br>K511 | Highlands |
| K505 | 828 | 7<br>3<br>- | 60<br>30<br>10 | H<br>M<br>- | 0433<br>0431<br>0801 | K509<br>K510<br>- | Highlands |
| K502 | 296 | 3 | 100 | M | 0431 | K503 | Highlands |
| K533 | 404 | 8<br>7<br>- | 40<br>40<br>20 | M<br>L<br>- | 0432<br>0433<br>0801 | K508<br>K511<br>- | Highlands |
| K532 | 640 | 2 | 100 | L | 0401 | I526 | Highlands |
| K506 | 210 | 8<br>7 | 60<br>40 | M<br>L | 0432<br>0433 | K512<br>K511 | Highlands |
| K507 | 72 | 7<br>- | 50<br>50 | M<br>- | 0432<br>0801 | K513<br>- | Highlands |
| K529 | 103 | 1<br>2 | 50<br>50 | L<br>L | 0432<br>0401 | I502<br>I503 | Highlands |
| K530 | 36 | 6 | 100 | L | 0102 | I539 | Highlands |
| K518 | 36 | 6<br>10<br>- | 85<br>10<br>5 | L<br>M<br>- | 0102<br>0461<br>0816 | K529<br>K527<br>- | Highlands |
| K525 | 7 | - | 100 | - | 0801 | - | Highlands |
| K517 | 120 | 7<br>-<br>- | 50<br>30<br>20 | M<br>-<br>- | 0431<br>0816<br>0801 | K528<br>-<br>- | Highlands |

PHOTO 3D-1-115 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K516 | 258 | 10 | 60 | M | 0461 | K527 | Highlands |
| | | - | 40 | - | 0816 | - | |
| K501 | 82 | 3 | 100 | M | 0102 | S001 | Highlands |
| I521 | 452 | 8 | 60 | M | 0432 | I529 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| I520 | 128 | 7 | 50 | M | 0433 | I527 | Monument Wash |
| | | 3 | 40 | M | 0431 | I501 | |
| | | - | 10 | - | 0801 | - | |
| I519 | 92 | 2 | 100 | L | 0401 | I526 | Monument Wash |
| I522 | 119 | 7 | 60 | H | 0433 | I530 | Monument Wash |
| | | 3 | 30 | M | 0102 | I531 | |
| | | - | 10 | - | 0801 | - | |
| I508 | 420 | 8 | 60 | M | 0432 | I511 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| L508 | 298 | 8 | 60 | M | 0432 | L517 | Dewey Corral |
| | | 7 | 40 | M | 0433 | L518 | |
| L509 | 354 | 2 | 100 | L | 0401 | L519 | Dewey Corral |
| L533 | 126 | 8 | 60 | M | 0102 | L520 | Dewey Corral |
| | | 7 | 40 | M | 0432 | L504 | |
| L511 | 343 | 10 | 80 | M | 0698 | L521 | Dewey Corral |
| | | 6 | 20 | H | 0102 | J501 | |
| L517 | 51 | 7 | 50 | M | 0431 | L527 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |

PHOTO 3D-1-115 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L502 | 72 | 7<br>- | 60<br>40 | M<br>- | 0432<br>0801 | L504<br>- | Dewey Corral |
| L507 | 142 | 10<br>- | 60<br>40 | M<br>- | 0431<br>0816 | L516<br>- | Dewey Corral |

TOTAL ACRES 7,807

PHOTO 3A-1-117

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J502 | 19 | 7 | 70 | L | 0444 | J502 | Lost Spring |
| | | - | 30 | - | 0816 | - | |
| J505 | 280 | - | 100 | - | 0801 | - | Lost Spring |
| J524 | 128 | 10 | 80 | H | 0102 | I524 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| J511 | 832 | 6 | 100 | M | 0102 | J524 | Lost Spring |
| J503 | 349 | 10 | 80 | M | 0102 | J507 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| J508 | 621 | 17 | 100 | H | 0102 | J522 | Lost Spring |
| J504 | 20 | 10 | 75 | M | 0471 | I519 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |
| J512 | 419 | 16 | 60 | H | 0461 | J525 | Lost Spring |
| | | 17 | 15 | M | 0477 | J521 | |
| | | - | 25 | - | 0816 | - | |
| J525 | 136 | 17 | 80 | M | 0461 | I538 | Lost Spring |
| | | 16 | 20 | M | 0461 | I537 | |
| I515 | 20 | 7 | 70 | M | 0461 | I521 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I513 | 1005 | 10 | 75 | M | 0461 | I540 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |
| I532 | 646 | 10 | 80 | H | 0102 | I524 | Monument Wash |
| | | - | 20 | - | 0816 | - | |

PHOTO 3A-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I533 | 285 | - | 100 | - | 0801 | - | Monument Wash |
| I524 | 168 | 16<br>17 | 20<br>80 | M<br>M | 0698<br>0461 | I535<br>I538 | Monument Wash |
| I534 | 139 | 16<br>- | 60<br>40 | M<br>- | 0461<br>0816 | I537<br>- | Monument Wash |
| I525 | 456 | 17 | 100 | M | 0103 | I536 | Monument Wash |
| I535 | 278 | 16<br>17<br>- | 65<br>10<br>25 | M<br>M<br>- | 0698<br>0102<br>0816 | K518<br>I536<br>- | Monument Wash |
| I523 | 366 | 17 | 100 | M | 0477 | I534 | Monument Wash |
| I526 | 133 | 16<br>17<br>- | 15<br>70<br>15 | M<br>M<br>- | 0461<br>0461<br>0816 | I537<br>I538<br>- | Monument Wash |
| K526 | 3 | 10<br>- | 80<br>20 | M<br>- | 0461<br>0816 | K527<br>- | Highlands |
| K517 | 268 | 7<br>-<br>- | 50<br>30<br>20 | M<br>-<br>- | 0431<br>0816<br>0801 | K528<br>-<br>- | Highlands |
| K525 | 453 | - | 100 | - | 0801 | - | Highlands |
| K524 | 495 | 17<br>16 | 80<br>20 | M<br>M | 0477<br>0693 | K516<br>K524 | Highlands |
| K508 | 776 | 17 | 100 | M | 0103 | K514 | Highlands |

PHOTO 3A-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K512 | 151 | 16 | 60 | M | 0461 | K519 | Highlands |
| | | - | 40 | - | 0816 | - | |
| K527 | 19 | 16 | 60 | M | 0693 | K524 | Highlands |
| | | 17 | 35 | M | 0477 | K516 | |
| | | - | 5 | - | 0816 | - | |
| K511 | 1020 | 16 | 70 | M | 0698 | K518 | Highlands |
| | | 17 | 10 | M | 0103 | K514 | |
| | | - | 20 | - | 0816 | - | |
| K513 | 136 | 16 | 60 | M | 0693 | K522 | Highlands |
| | | 17 | 15 | M | 0103 | K514 | |
| | | - | 25 | - | 0816 | - | |
| K510 | 20 | 17 | 70 | M | 0477 | K516 | Highlands |
| | | 16 | 15 | M | 0461 | K517 | |
| | | - | 15 | - | 0816 | - | |

TOTAL ACRES 9,941

PHOTO 3B-1-117

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K516 | 290 | 10 | 60 | M | 0461 | K527 | Highlands |
| | | - | 40 | - | 0816 | - | |
| K517 | 86 | 7 | 50 | M | 0431 | K528 | Highlands |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |
| K518 | 79 | 6 | 85 | L | 0102 | K529 | Highlands |
| | | 10 | 10 | M | 0461 | K527 | |
| | | - | 5 | - | 0816 | - | |
| K525 | 165 | - | 100 | - | 0801 | - | Highlands |
| K524 | 29 | 17 | 80 | M | 0477 | K516 | Highlands |
| | | 16 | 20 | M | 0693 | K524 | |
| K511 | 1508 | 16 | 70 | M | 0698 | K518 | Highlands |
| | | 17 | 10 | M | 0103 | K514 | |
| | | - | 20 | - | 0816 | - | |
| K527 | 223 | 16 | 60 | M | 0693 | K524 | Highlands |
| | | 17 | 35 | M | 0477 | K516 | |
| | | - | 5 | - | 0816 | - | |
| K522 | 73 | 12 | 50 | M | 0698 | J529 | Highlands |
| | | 17 | 20 | M | 0461 | K515 | |
| | | - | 30 | - | 0816 | - | |
| K508 | 346 | 17 | 100 | M | 0103 | K514 | Highlands |
| L507 | 479 | 10 | 60 | M | 0431 | L516 | Dewey Corral |
| | | - | 40 | - | 0816 | - | |
| L517 | 832 | 7 | 50 | M | 0431 | L527 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |

PHOTO 3B-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L511 | 126 | 10 | 80 | M | 0698 | L521 | Dewey Corral |
| | | 6 | 20 | M | 0102 | J501 | |
| L528 | 88 | 6 | 85 | H | 0102 | J501 | Dewey Corral |
| | | 10 | 10 | M | 0431 | L516 | |
| | | - | 5 | - | 0816 | - | |
| L523 | 50 | - | 100 | - | 0801 | - | Dewey Corral |
| L529 | 102 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |
| L514 | 227 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |
| L530 | 208 | 16 | 70 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 10 | H | 0103 | L512 | |
| | | - | 20 | - | 0816 | - | |
| L525 | 146 | 12 | 50 | M | 0698 | J529 | Dewey Corral |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| L515 | 1822 | 16 | 40 | H | 0693 | L525 | Dewey Corral |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | 0 | 0816 | - | |
| L505 | 740 | 16 | 60 | M | 0693 | L513 | Dewey Corral |
| | | 17 | 15 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| L504 | 611 | 17 | 100 | H | 0103 | L512 | Dewey Corral |
| L518 | 250 | - | 100 | - | 0816 | - | Dewey Corral |

TOTAL ACRES 9580

PHOTO 3B-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | Allotment |
|---|---|---|---|---|---|---|---|
| L527 | 364 | 15 | 60 | M | 0301 | J523 | Dewey Corral |
| | | 17 | 40 | H | 0103 | L512 | |
| L524 | 736 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 9,580

PHOTO 3C-1-117

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J508 | 90 | 17 | 100 | H | 0102 | J522 | Lost Spring |
| J515 | 1058 | 16 | 40 | M | 0698 | J528 | Lost Spring |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| J517 | 212 | 16 | 15 | M | 0461 | I537 | Lost Spring |
| | | 17 | 70 | M | 0461 | I538 | |
| | | - | 15 | - | 0816 | - | |
| J516 | 449 | 12 | 25 | M | 0698 | J529 | Lost Spring |
| | | - | 75 | - | 0816 | - | |
| J514 | 740 | 14 | 95 | H | 0102 | J527 | Lost Spring |
| | | - | 5 | - | 0816 | - | |
| I526 | 1248 | 16 | 15 | M | 0461 | I537 | Monument Wash |
| | | 17 | 70 | M | 0461 | I538 | |
| | | - | 15 | - | 0816 | - | |
| I536 | 342 | 17 | 95 | M | 0102 | I536 | Monument Wash |
| | | - | 5 | - | 0816 | - | |
| I537 | 1172 | 16 | 40 | M | 0461 | I537 | Monument Wash |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| I538 | 29 | - | 100 | - | 0816 | - | Monument Wash |
| K510 | 894 | 17 | 70 | M | 0477 | K516 | Highlands |
| | | 16 | 15 | M | 0461 | K517 | |
| | | - | 15 | - | 0816 | - | |
| K513 | 50 | 16 | 60 | M | 0693 | K522 | Highlands |
| | | 17 | 15 | M | 0103 | K514 | |
| | | - | 25 | - | 0816 | - | |

PHOTO 3C-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K508 | 141 | 17 | 100 | M | 0103 | K514 | Highlands |
| K509 | 708 | 17 | 95 | M | 0461 | K515 | Highlands |
| | | - | 5 | - | 0816 | - | |
| K515 | 1112 | 16 | 40 | M | 0693 | K525 | Highlands |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| K514 | 1118 | 16 | 15 | M | 0693 | K514 | Highlands |
| | | 17 | 70 | M | 0477 | K516 | |
| | | - | 15 | - | 0816 | - | |
| K523 | 6 | - | 100 | - | 0816 | - | Highlands |

TOTAL ACRES 8,121

PHOTO 3D-1-117

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K508 | 470 | 17 | 100 | M | 0103 | K514 | Highlands |
| K513 | 391 | 16 | 60 | M | 0693 | K522 | Highlands |
| | | 17 | 15 | M | 0103 | K514 | |
| | | - | 25 | - | 0816 | - | |
| K510 | 274 | 17 | 70 | M | 0477 | K516 | Highlands |
| | | 16 | 15 | M | 0461 | K517 | |
| | | - | 15 | - | 0816 | - | |
| K509 | 98 | 17 | 95 | M | 0461 | K515 | Highlands |
| | | - | 5 | - | 0816 | - | |
| K515 | 160 | 16 | 40 | M | 0693 | K525 | Highlands |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| K514 | 2035 | 16 | 15 | M | 0693 | K514 | Highlands |
| | | 17 | 70 | M | 0477 | K516 | |
| | | - | 15 | - | 0816 | - | |
| K508 | 210 | 17 | 100 | M | 0103 | K514 | Highlands |
| K523 | 83 | - | 100 | - | 0816 | - | Highlands |
| L504 | 197 | 17 | 100 | H | 0103 | L512 | Dewey Corral |
| L505 | 3772 | 16 | 60 | M | 0693 | L513 | Dewey Corral |
| | | 17 | 15 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| L524 | 140 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |
| L514 | 311 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |

PHOTO 3D-1-117 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L518 | 109 | - | 100 | - | 0816 | - | Dewey Corral |
| L526 | 136 | 17 | 60 | H | 0102 | L512 | Dewey Corral |
| | | 16 | 40 | M | 0698 | L523 | |
| L529 | 75 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |
| L506 | 46 | 14 | 100 | M | 0441 | L515 | Dewey Corral |
| M501 | 57 | 12 | 50 | M | 0698 | M505 | North River |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |

TOTAL ACRES 8,264

PHOTO 3C-1-125

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I510 | 195 | 7 | 50 | M | 0433 | I515 | Monument Wash |
| | | 8 | 30 | M | 9432 | I516 | |
| | | - | 20 | - | 0801 | - | |
| I503 | 1908 | 8 | 70 | H | 0432 | I505 | Monument Wash |
| | | 7 | 30 | M | 0433 | I514 | |
| I501 | 85 | 3 | 100 | M | 0431 | I501 | Monument Wash |
| I502 | 1027 | 1 | 50 | L | 0999 | I502 | Monument Wash |
| | | 2 | 50 | L | 0401 | I503 | |
| I504 | 696 | 8 | 100 | M | 0102 | I506 | Monument Wash |
| I509 | 938 | 7 | 50 | M | 0433 | I514 | Monument Wash |
| | | 8 | 50 | M | 0432 | I511 | |
| I506 | 650 | 8 | 65 | H | 0432 | I508 | Monument Wash |
| | | 7 | 35 | M | 0433 | I504 | |
| I505 | 208 | 2 | 60 | L | 0433 | I507 | Monument Wash |
| | | 1 | 40 | L | 0432 | I502 | |
| A529 | 363 | 2 | 60 | L | 0433 | A529 | Whipsaw Flats |
| | | 1 | 40 | L | 0901 | S007 | |
| A515 | 126 | 7 | 60 | H | 0433 | A515 | Whipsaw Flats |
| | | 8 | 30 | M | 0432 | A516 | |
| | | - | 10 | - | 0801 | - | |
| A505 | 80 | 3 | 100 | M | 0431 | S020 | Whipsaw Flats |
| A508 | 1499 | 7 | 60 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 40 | M | 0432 | A505 | |
| A513 | 119 | 1 | 60 | M | 0415 | A513 | Whipsaw Flats |
| | | 2 | 40 | L | 0999 | A506 | |

PHOTO 3C-1-125 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A517 | 826 | 7 | 70 | H | 0433 | A508 | Whipsaw Flats |
| | | 8 | 30 | H | 0102 | A517 | |

TOTAL ACRES 8,720

PHOTO 3D-1-125

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I508 | 1107 | 8 | 60 | M | 0432 | I511 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| I507 | 1338 | 3 | 40 | M | 0415 | I509 | Monument Wash |
| | | 8 | 50 | M | 0102 | I510 | |
| | | - | 10 | - | 0801 | - | |
| I502 | 1475 | 1 | 50 | L | 0432 | I502 | Monument Wash |
| | | 2 | 50 | L | 0401 | I503 | |
| I503 | 14 | 8 | 70 | H | 0432 | I505 | Monument Wash |
| | | 7 | 30 | M | 0433 | I514 | |
| I504 | 720 | 8 | 100 | M | 0102 | I506 | Monument Wash |
| I529 | 554 | 7 | 60 | M | 0433 | I514 | Monument Wash |
| | | 8 | 40 | M | 0432 | I529 | |
| I509 | 1340 | 7 | 50 | M | 0433 | I514 | Monument Wash |
| | | 8 | 50 | M | 0432 | I511 | |
| I510 | 304 | 7 | 50 | M | 0433 | I515 | Monument Wash |
| | | 8 | 30 | M | 0432 | I516 | |
| | | - | 20 | - | 0801 | - | |
| I506 | 958 | 8 | 65 | H | 0432 | I508 | Monument Wash |
| | | 7 | 35 | M | 0433 | I504 | |
| I511 | 83 | 7 | 50 | M | 0431 | I517 | Monument Wash |
| | | 3 | 50 | M | 0431 | I501 | |
| I528 | 50 | 6 | 100 | M | 0431 | I522 | Monument Wash |
| I512 | 40 | 2 | 100 | M | 0401 | I518 | Monument Wash |

PHOTO 3D-1-125 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I515 | 50 | 7 | 70 | M | 0461 | I521 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I513 | 400 | 10 | 75 | M | 0461 | I540 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |
| I514 | 132 | 7 | 70 | M | 0431 | I520 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I517 | 16 | 10 | 80 | H | 0102 | I524 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| I516 | 77 | 7 | 100 | M | 0461 | I523 | Monument Wash |
| I519 | 85 | 2 | 100 | L | 0999 | I526 | Monument Wash |
| I520 | 94 | 7 | 50 | M | 0433 | I527 | Monument Wash |
| | | 3 | 40 | M | 0431 | I501 | |
| | | - | 10 | - | 0801 | - | |
| I521 | 29 | 8 | 60 | M | 0432 | I529 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |

TOTAL ACRES 8,866

PHOTO 3A-1-123

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A516 | 24 | 7<br>8<br>- | 40<br>30<br>30 | H<br>M<br>- | 0433<br>0432<br>0801 | A515<br>A516<br>- | Whipsaw Flats |
| A507 | 22 | 8<br>7 | 60<br>40 | M<br>H | 0433<br>0433 | A507<br>A508 | Whipsaw Flats |
| A508 | 26 | 7<br>8 | 60<br>40 | H<br>M | 0433<br>0432 | A508<br>A505 | Whipsaw Flats |
| A518 | 752 | 7<br>8 | 50<br>50 | H<br>M | 0433<br>0432 | A508<br>A505 | Whipsaw Flats |
| A513 | 184 | 1<br>2 | 60<br>40 | M<br>L | 0415<br>0999 | A513<br>A506 | Whipsaw Flats |
| A522 | 201 | 10<br>- | 80<br>20 | M<br>_ | 0471<br>0816 | A522<br>- | Whipsaw Flats |
| A529 | 1142 | 2<br>1 | 60<br>40 | L<br>L | 0433<br>0901 | A529<br>S007 | Whipsaw Flats |
| A510 | 232 | 6 | 100 | M | 0431 | A510 | Whipsaw Flats |
| A524 | 212 | 10<br>- | 80<br>20 | M<br>- | 0102<br>0816 | A524<br>- | Whipsaw Flats |
| A532 | 52 | 10<br>- | 80<br>20 | M<br>- | 0431<br>0816 | A532<br>- | Whipsaw Flats |
| A525 | 475 | 7<br>-<br>- | 50<br>30<br>20 | M<br>-<br>- | 0471<br>0801<br>0816 | A525<br>-<br>- | Whipsaw Flats |
| A511 | 152 | -<br>- | 90<br>10 | -<br>- | 0801<br>0816 | --<br>-- | Whipsaw Flats |
| A526 | 786 | 6<br>- | 80<br>20 | M<br>- | 0102<br>0816 | A526<br>- | Whipsaw Flats |

PHOTO 3A-1-123 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| A530 | 653 | -<br>10 | 60<br>40 | -<br>M | 0816<br>0102 | -<br>A524 | Whipsaw Flats |
| A517 | 184 | 7<br>8 | 70<br>30 | H<br>H | 0433<br>0102 | A508<br>A517 | Whipsaw Flats |
| A533 | 37 | 16<br>- | 80<br>20 | M<br>- | 0698<br>0816 | J528<br>- | Whipsaw Flats |
| I505 | 231 | 2<br>1 | 60<br>40 | L<br>L | 0433<br>0432 | I507<br>I502 | Monument Wash |
| I509 | 376 | 7<br>8 | 50<br>50 | M<br>M | 0433<br>0432 | I514<br>I511 | Monument Wash |
| I516 | 135 | 7 | 100 | M | 0461 | I523 | Monument Wash |
| I541 | 88 | 10<br>-<br>- | 70<br>15<br>15 | H<br>-<br>- | 0102<br>0816<br>0801 | I524<br>-<br>- | Monument Wash |
| I515 | 141 | 7<br>- | 70<br>30 | M<br>- | 0461<br>0816 | I521<br>- | Monument Wash |
| I518 | 151 | 1 | 100 | L | 0999 | I525 | Monument Wash |
| I510 | 13 | 7<br>8<br>- | 50<br>30<br>20 | M<br>M<br>- | 0433<br>0432<br>0801 | I515<br>I516<br>- | Monument Wash |
| J501 | 260 | 6<br>- | 80<br>20 | H<br>- | 0102<br>0816 | J501<br>- | Lost Spring |
| J520 | 370 | 2<br>1 | 60<br>40 | L<br>L | 0401<br>0999 | S006<br>S007 | Lost Spring |

PHOTO 3A-1-123 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J503 | 145 | 10 | 80 | M | 0102 | J507 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| J502 | 225 | 7 | 70 | M | 0444 | J502 | Lost Spring |
| | | - | 30 | - | 0816 | - | |
| J518 | 379 | - | 80 | - | 0816 | - | Lost Spring |
| | | 16 | 20 | M | 0698 | J528 | |
| J507 | 145 | 10 | 40 | M | 0461 | J508 | Lost Spring |
| | | - | 60 | - | 0816 | - | |
| J519 | 126 | 1 | 100 | L | 0102 | S008 | Lost Spring |

TOTAL ACRES 7,919

PHOTO 3B-1-123

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| I509 | 207 | 7 | 50 | M | 0433 | I514 | Monument Wash |
| | | 8 | 50 | M | 0432 | I511 | |
| I516 | 376 | 7 | 100 | M | 0461 | I523 | Monument Wash |
| I515 | 234 | 7 | 70 | M | 0461 | I521 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I517 | 308 | 10 | 80 | H | 0102 | I524 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| I521 | 11 | 8 | 60 | M | 0432 | I529 | Monument Wash |
| | | 7 | 40 | M | 0433 | I514 | |
| I542 | 73 | 6 | 80 | M | 0431 | I522 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| I543 | 93 | 6 | 80 | L | 0102 | I539 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| I514 | 238 | 7 | 70 | M | 0431 | I520 | Monument Wash |
| | | - | 30 | - | 0816 | - | |
| I513 | 1090 | 10 | 75 | M | 0461 | I540 | Monument Wash |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |
| J523 | 178 | 8 | 40 | M | 0432 | I529 | Lost Spring |
| | | 7 | 60 | M | 0432 | I514 | |
| J501 | 433 | 6 | 80 | H | 0102 | J501 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| J504 | 83 | 10 | 75 | M | 0471 | I519 | Lost Spring |
| | | - | 20 | - | 0816 | - | |
| | | - | 5 | - | 0801 | - | |

PHOTO 3B-1-123 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J521 | 234 | 16<br>- | 40<br>60 | M<br>- | 0698<br>0816 | J528<br>- | Lost Spring |
| J505 | 1625 | - | 100 | - | 0801 | - | Lost Spring |
| J522 | 174 | 10<br>6 | 85<br>15 | M<br>H | 0102<br>0102 | J507<br>J501 | Lost Spring |
| J503 | 1188 | 10<br>- | 80<br>20 | M<br>- | 0102<br>0816 | J507<br>- | Lost Spring |
| J502 | 987 | 7<br>- | 70<br>30 | L<br>- | 0444<br>0816 | J502<br>- | Lost Spring |
| J519 | 123 | 1 | 100 | L | 0102 | S008 | Lost Spring |
| J507 | 364 | 10<br>- | 40<br>60 | M<br>- | 0461<br>0816 | J508<br>- | Lost Spring |
| J520 | 62 | 2<br>1 | 60<br>40 | L<br>L | 0401<br>0999 | S006<br>S007 | Lost Spring |
| J518 | 20 | -<br>16 | 80<br>20 | -<br>M | 0816<br>0698 | -<br>J528 | Lost Spring |
| J506 | 254 | - | 100 | - | 0816 | - | Lost Spring |
| J519 | 129 | 1 | 100 | L | 0102 | S008 | Lost Spring |
| J516 | 10 | 12<br>- | 25<br>75 | M<br>- | 0698<br>0816 | J529<br>- | Lost Spring |
| J513 | 14 | 16<br>- | 75<br>25 | H<br>- | 0461<br>0816 | J526<br>- | Lost Spring |

PHOTO 3B-1-123 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J508 | 597 | 17 | 100 | H | 0102 | J522 | Lost Spring |
| J512 | 59 | 16 | 60 | H | 0461 | J525 | Lost Spring |
| | | 17 | 15 | M | 0477 | J521 | |
| | | - | 25 | - | 0816 | - | |
| J515 | 14 | 16 | 40 | M | 0698 | J528 | Lost Spring |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| J511 | 62 | 6 | 100 | M | 0102 | J524 | Lost Spring |

TOTAL ACRES 9,240

PHOTO 3C-1-123

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J518 | 362 | -<br>16 | 80<br>20 | -<br>M | 0816<br>0698 | -<br>J528 | Lost Spring |
| J508 | 218 | 17 | 100 | H | 0102 | J522 | Lost Spring |

TOTAL ACRES 580

PHOTO 3D-1-123

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| J508 | 699 | 17 | 100 | H | 0102 | J522 | Lost Spring |
| J518 | 128 | -<br>16 | 80<br>20 | -<br>M | 0816<br>0698 | -<br>J528 | Lost Spring |
| J516 | 1268 | 12<br>- | 25<br>75 | M<br>- | 0698<br>0816 | J529<br>- | Lost Spring |
| J506 | 586 | - | 100 | - | 0816 | - | Lost Spring |
| J519 | 671 | 1 | 100 | L | 0102 | S008 | Lost Spring |
| J513 | 86 | 16<br>- | 75<br>25 | H<br>- | 0461<br>0816 | J526<br>- | Lost Spring |
| J510 | 95 | 14 | 100 | M | 0301 | J523 | Lost Spring |
| J515 | 715 | 16<br>15<br>- | 40<br>20<br>40 | M<br>M<br>- | 0698<br>0301<br>0816 | J528<br>J523<br>- | Lost Spring |
| J514 | 20 | 14<br>- | 95<br>5 | H<br>- | 0102<br>0816 | J527<br>- | Lost Spring |

TOTAL ACRES 4,268

PHOTO 3A-1-69

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K504 | 660 | 8<br>7 | 60<br>40 | M<br>L | 0432<br>0433 | K508<br>K511 | Highlands |
| K503 | 264 | 8 | 100 | H | 0102 | K507 | Highlands |
| K532 | 10 | 2 | 100 | L | 0401 | I526 | Highlands |
| 0501 | 495 | 7<br>8 | 40<br>60 | L<br>H | 0433<br>0432 | 0501<br>0502 | Cisco Wash |
| L508 | 2820 | 8<br>7 | 60<br>40 | M<br>M | 0432<br>0433 | L517<br>L518 | Dewey Corral |
| L509 | 250 | 2 | 100 | L | 0401 | L519 | Dewey Corral |
| L511 | 113 | 10<br>6 | 80<br>20 | M<br>H | 0698<br>0102 | L521<br>J501 | Dewey Corral |
| L528 | 98 | 6<br>10<br>- | 85<br>10<br>5 | H<br>M<br>- | 0102<br>0431<br>0816 | J501<br>L516<br>- | Dewey Corral |
| L510 | 670 | 8<br>7 | 65<br>35 | M<br>M | 0102<br>0432 | L520<br>L504 | Dewey Corral |

TOTAL ACRES 5,830

PHOTO 3B-1-69

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| 0502 | 317 | 3 | 50 | M | 0102 | 0504 | Cisco Wash |
| | | 7 | 40 | M | 0432 | 0503 | |
| | | - | 10 | - | 0801 | - | |
| 0501 | 183 | 7 | 40 | L | 0433 | 0501 | Cisco Wash |
| | | 8 | 60 | H | 0432 | 0502 | |
| L531 | 50 | 3 | 50 | M | 0102 | 0504 | Dewey Corral |
| | | 7 | 40 | M | 0432 | 0503 | |
| | | - | 10 | - | 0801 | - | |
| L508 | 681 | 8 | 60 | M | 0432 | L517 | Dewey Corral |
| | | 7 | 40 | M | 0433 | L518 | |
| L501 | 529 | 8 | 60 | M | 0432 | L503 | Dewey Corral |
| | | 7 | 30 | M | 0432 | L504 | |
| | | - | 10 | - | 0801 | - | |
| L502 | 861 | 7 | 60 | M | 0432 | L504 | Dewey Corral |
| | | - | 40 | - | 0801 | - | |
| L503 | 248 | 8 | 40 | M | 0432 | L505 | Dewey Corral |
| | | 7 | 40 | M | 0432 | L504 | |
| | | - | 20 | - | 0801 | - | |
| L509 | 208 | 2 | 100 | L | 0401 | L519 | Dewey Corral |
| L510 | 14 | 8 | 65 | M | 0102 | L520 | Dewey Corral |
| | | 7 | 35 | M | 0432 | L504 | |

TOTAL ACRES 3,091

PHOTO 3C-1-69

| SWA # | SWA ACRES | RS # | % SWA | RC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L511 | 990 | 10 | 80 | M | 0698 | L521 | Dewey Corral |
| | | 6 | 20 | H | 0102 | J501 | |
| L528 | 229 | 6 | 85 | H | 0102 | J501 | Dewey Corral |
| | | 10 | 10 | M | 0431 | L516 | |
| | | - | 5 | - | 0816 | - | |
| L510 | 630 | 8 | 65 | M | 0102 | L520 | Dewey Corral |
| | | 7 | 35 | M | 0432 | L504 | |
| L522 | 80 | 8 | 50 | M | 0432 | L505 | Dewey Corral |
| | | 7 | 50 | M | 0432 | L504 | |
| L517 | 1123 | 7 | 50 | M | 0431 | L527 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |
| L513 | 508 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 15 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| L515 | 1298 | 16 | 40 | H | 0693 | L525 | Dewey Corral |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| L519 | 62 | 11 | 50 | L | 0698 | L529 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |
| L523 | 102 | - | 100 | - | 0801 | - | Dewey Corral |
| L521 | 616 | 10 | 70 | M | 0431 | L516 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |

PHOTO 3C-1-69 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L520 | 568 | 16 | 50 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 30 | H | 0103 | L512 | |
| | | - | 20 | - | 0816 | - | |
| L527 | 118 | 15 | 60 | M | 0301 | J523 | Dewey Corral |
| | | 17 | 40 | H | 0103 | L512 | |
| L518 | 270 | - | 100 | - | 0816 | - | Dewey Corral |
| L505 | 608 | 16 | 60 | M | 0693 | L513 | Dewey Corral |
| | | 17 | 15 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| L514 | 581 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |
| L525 | 122 | 12 | 50 | M | 0698 | J529 | Dewey Corral |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| L524 | 239 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |
| L526 | 7 | 17 | 60 | H | 0102 | L512 | Dewey Corral |
| | | 16 | 40 | M | 0698 | L523 | |
| L509 | 79 | 2 | 100 | L | 0401 | L519 | Dewey Corral |
| L512 | 154 | 7 | 50 | M | 0461 | L522 | Dewey Corral |
| | | - | 30 | - | 0816 | - | |
| | | - | 20 | - | 0801 | - | |

TOTAL ACRES 9,014

PHOTO 3D-1-69

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L502 | 475 | 7<br>- | 60<br>40 | M<br>- | 0432<br>0801 | L504<br>- | Dewey Corral |
| L509 | 739 | 2 | 100 | L | 0401 | L519 | Dewey Corral |
| L510 | 438 | 8<br>7 | 65<br>35 | M<br>M | 0102<br>0432 | L520<br>L504 | Dewey Corral |
| L522 | 33 | 8<br>7 | 50<br>50 | M<br>M | 0432<br>0432 | L505<br>L504 | Dewey Corral |
| L511 | 139 | 10<br>6 | 80<br>20 | M<br>H | 0698<br>0102 | L521<br>J501 | Dewey Corral |
| L507 | 567 | 10<br>- | 60<br>40 | M<br>- | 0431<br>0816 | L516<br>- | Dewey Corral |
| L512 | 988 | 7<br>-<br>- | 50<br>30<br>20 | M<br>-<br>- | 0461<br>0816<br>0801 | L522<br>-<br>- | Dewey Corral |
| L523 | 43 | - | 100 | - | 0801 | - | Dewey Corral |
| L513 | 392 | 16<br>17<br>- | 60<br>15<br>25 | M<br>M<br>- | 0698<br>0103<br>0816 | L523<br>L512<br>- | Dewey Corral |
| L524 | 156 | 16<br>17<br>- | 60<br>35<br>5 | M<br>H<br>- | 0698<br>0103<br>0816 | L523<br>L512<br>- | Dewey Corral |
| L525 | 251 | 12<br>17<br>- | 50<br>20<br>30 | M<br>H<br>- | 0698<br>0103<br>0816 | J529<br>L512<br>- | Dewey Corral |
| L516 | 322 | 2 | 100 | M | 0401 | L526 | Dewey Corral |

PHOTO 3D-1-69 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L515 | 17 | 16 | 40 | H | 0693 | L525 | Dewey Corral |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| L514 | 9 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |
| L518 | 8 | - | 100 | - | 0816 | - | Dewey Corral |
| L532 | 78 | 11 | 50 | M | 0431 | F516 | Dewey Corral |
| | | 10 | 10 | M | 0431 | L516 | |
| | | - | 40 | - | 0816 | - | |

TOTAL ACRES 4,656

PHOTO 4A-1-91

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L526 | 33 | 17 | 60 | H | 0102 | L512 | Dewey Corral |
| | | 16 | 40 | M | 0698 | L523 | |
| L505 | 3165 | 16 | 60 | M | 0693 | L513 | Dewey Corral |
| | | 17 | 15 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| L514 | 281 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |
| L524 | 80 | 16 | 60 | M | 0698 | L523 | Dewey Corral |
| | | 17 | 35 | H | 0103 | L512 | |
| | | - | 5 | - | 0816 | - | |
| L525 | 233 | 12 | 50 | M | 0698 | J529 | Dewey Corral |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| L515 | 221 | 16 | 40 | H | 0693 | L525 | Dewey Corral |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| M501 | 1090 | 12 | 50 | M | 0698 | M505 | North River |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| M502 | 659 | 6 | 95 | M | 0431 | M501 | North River |
| | | 13 | 5 | M | 0401 | M504 | |

TOTAL ACRES 5,762

PHOTO 3A-1-119

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K515 | 300 | 16 | 40 | M | 0693 | K525 | Highlands |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| M501 | 849 | 12 | 50 | M | 0698 | M505 | North River |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| M503 | 21 | 13 | 100 | M | 0401 | I526 | North River |
| I526 | 3132 | 16 | 15 | M | 0461 | I537 | Monument Wash |
| | | 17 | 70 | M | 0461 | I538 | |
| | | - | 15 | - | 0816 | - | |
| I537 | 712 | 16 | 40 | M | 0461 | I537 | Monument Wash |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| I535 | 2719 | 16 | 65 | M | 0698 | K518 | Monument Wash |
| | | 17 | 10 | M | 0102 | I536 | |
| | | - | 25 | - | 0816 | - | |
| I538 | 206 | - | 100 | - | 0816 | - | Monument Wash |
| I539 | 1559 | 12 | 50 | M | 0698 | J529 | Monument Wash |
| | | 17 | 20 | M | 0431 | I522 | |
| | | - | 30 | - | 0816 | - | |
| I525 | 96 | 17 | 100 | M | 0103 | I536 | Monument Wash |
| I540 | 598 | 16 | 60 | M | 0698 | K518 | Monument Wash |
| | | 17 | 35 | M | 0102 | I536 | |
| | | - | 5 | - | 0816 | - | |

TOTAL ACRES 10,192

PHOTO 3B-1-119

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| L514 | 44 | 17 | 70 | M | 0461 | L524 | Dewey Corral |
| | | 16 | 15 | M | 0698 | L523 | |
| | | - | 15 | - | 0816 | - | |
| I535 | 60 | 16 | 65 | M | 0698 | K518 | Monument Wash |
| | | 17 | 10 | M | 0102 | I536 | |
| | | - | 25 | - | 0816 | - | |
| I526 | 363 | 16 | 15 | M | 0461 | I537 | Monument Wash |
| | | 17 | 70 | M | 0461 | I538 | |
| | | - | 15 | - | 0816 | - | |
| I523 | 8 | 17 | 100 | M | 0477 | I534 | Monument Wash |
| I539 | 180 | 12 | 50 | M | 0698 | J529 | Monument Wash |
| | | 17 | 20 | M | 0431 | I522 | |
| | | - | 30 | - | 0816 | - | |
| M502 | 2009 | 6 | 95 | M | 0431 | M501 | North River |
| | | 13 | 5 | M | 0401 | M504 | |
| M501 | 1687 | 12 | 50 | M | 0698 | M505 | North River |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| M503 | 157 | 13 | 100 | M | 0401 | I526 | North River |
| M504 | 64 | 16 | 65 | M | 0693 | L513 | North River |
| | | 17 | 10 | H | 0103 | L512 | |
| | | - | 25 | - | 0816 | - | |
| K515 | 47 | 16 | 40 | M | 0693 | K525 | Highlands |
| | | 15 | 20 | M | 0301 | J523 | |
| | | - | 40 | - | 0816 | - | |
| K514 | 1077 | 16 | 15 | M | 0693 | K514 | Highlands |
| | | 17 | 70 | M | 0477 | K516 | |
| | | - | 15 | - | 0816 | - | |

PHOTO 3B-1-119 (Cont'd.)

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| K519 | 854 | 16 | 75 | M | 0693 | K532 | Highlands |
| | | - | 25 | - | 0816 | - | |
| K520 | 106 | 17 | 100 | M | 0499 | K533 | Highlands |
| K521 | 70 | 14 | 100 | M | 0441 | K534 | Highlands |
| K522 | 113 | 12 | 50 | M | 0698 | J529 | Highlands |
| | | 17 | 20 | M | 0461 | K515 | |
| | | - | 30 | - | 0816 | - | |

TOTAL ACRES 6,839

PHOTO 3C-1-119

| SWA # | SWA ACRES | RS # | % SWA | EC | VA | ESF # | ALLOTMENT |
|---|---|---|---|---|---|---|---|
| M501 | 65 | 12 | 50 | M | 0698 | M505 | North River |
| | | 17 | 20 | H | 0103 | L512 | |
| | | - | 30 | - | 0816 | - | |
| M503 | 11 | 13 | 100 | M | 0401 | I526 | North River |

TOTAL ACRES 76

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